



**Draft Educational Specifications for
Garrison Elementary School Modernization
384 capacity**

Revised October 2015

Our Purpose*

Our purpose is to ensure that every DCPS school provides a world-class education that prepares ALL of our students, regardless of background or circumstance, for success in college, career and life.

Our Goals

Based on the hopes and dreams of DCPS stakeholders, these goals will help us align our resources and measure our success.

1. **Improve Achievement Rates** - At least 70 percent of our students will be proficient in reading and math, and we will double the number of advanced students in the District.
2. **Invest in Struggling Schools** - Our 40 lowest-performing schools will increase proficiency rates by 40 percentage points.
3. **Increase Graduation Rate** - At least 75 percent of entering 9th graders will graduate from high school in four years.
4. **Improve Satisfaction** - 90 percent of students will say they like their school.
5. **Increase Enrollment** - DCPS will increase its enrollment over five years.

Our Stakeholder Commitments

- **To the children of DC**, we promise that our top priority is ensuring that you have the opportunity to attend a great school—one that you love and that prepares you for success in life.
- **To DCPS teachers and staff**, we promise to respect you as professionals and invest in your success by providing you and your students with the environment, resources, and tools you need.
- **To DCPS school leaders**, we promise to respect you as professionals; give you the support to lead; and provide the environment, resources, and tools that you, your staff and your students need to succeed.
- **To parents**, we promise to partner with you to ensure your children's success.
- **To members of the DC community**, we promise to provide opportunities for you to contribute to the success of our schools and school district.
- **To potential employers**, we promise to provide you with a steady supply of well educated young adults who will make positive contributions to the success of your organizations.
- **To the city (and state) of Washington, DC**, we promise to make our school system one that all citizens are proud of—a school system that can be the anchor for thriving, productive and growing communities

*From the DCPS Strategic Plan - A Capital Commitment

Introduction

This document articulates the requirements for a pre-kindergarten through 5th grade school. It describes the current and planned educational programs and services and the opportunities and challenges associated with the design and construction. The programmatic elements outlined in this Educational Specification will be test-fit against the current budget and building square footage.

Scope

This modernization consists of a targeted renovation of primary and essential academic and ancillary spaces. The main focus revolves around the classrooms, corridors, health suite and restrooms. A modernization scope includes upgraded entrances, floors, ceilings, walls, furniture, fixtures, equipment, mechanical, electrical, plumbing, security, and technology.

Each classroom will be fitted out in such a manner, to the maximum extent possible, to meet the Performance Criteria as stated in this Education Specification. Important elements include:

- Install new modernized ADA entrance for the main building, including ramps and a new glass storefront.
- Install security doors and cameras throughout the building, with security monitors at security desk and main office.
- Replace classroom entry doorways and transoms.
- Install new flooring, partition walls, acoustical ceiling tile, and, lighting fixtures in all classroom spaces.
- Modernize the main office, including the Principal's office, conference room, administrative area, and "welcome" areas. The nurses' suite will also be enhanced to include an ADA compliant bathroom.
- Install new marker-boards, tack-boards, casework, projection screen, audio/video equipment, and Smart Boards.
- Install new electrical outlets, voice, data, and CATV ports as required for-new classroom configurations.
- Install a new classroom lighting system for daylight harvesting with dimming controls.
- Provide new FF&E in all classroom and administrative spaces (desks, chairs, shelving, cubbies/lockers).
- Install new elevators.
- Replace the existing radiator heating units and air conditioning window units with a new central ventilation system to ensure year-long thermal comfort with thermostats in classrooms and offices. New roof-top mechanical units will be installed on both wings of the school and enclosed in a mechanical screen.
- Install new restrooms fixtures in Pre-K classrooms and also install a new restroom in the Principal's office. The other restrooms will be modernized with new fixtures, floorings, ceilings and lighting; ADA compliant restrooms will be located on each floor.

Expansion of the media center to current guidelines will be accomplished as part of a future 'phase II' project along with modernization of the kitchen/multi-purpose room and site improvements including the play area and fields.

Enrollment and Classroom Requirements

In 2014 the enrollment was as follows:

Current Capacity	PREK/ PRES	Kind	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Total
356*	42/35	37	39	24	17	27	14	244

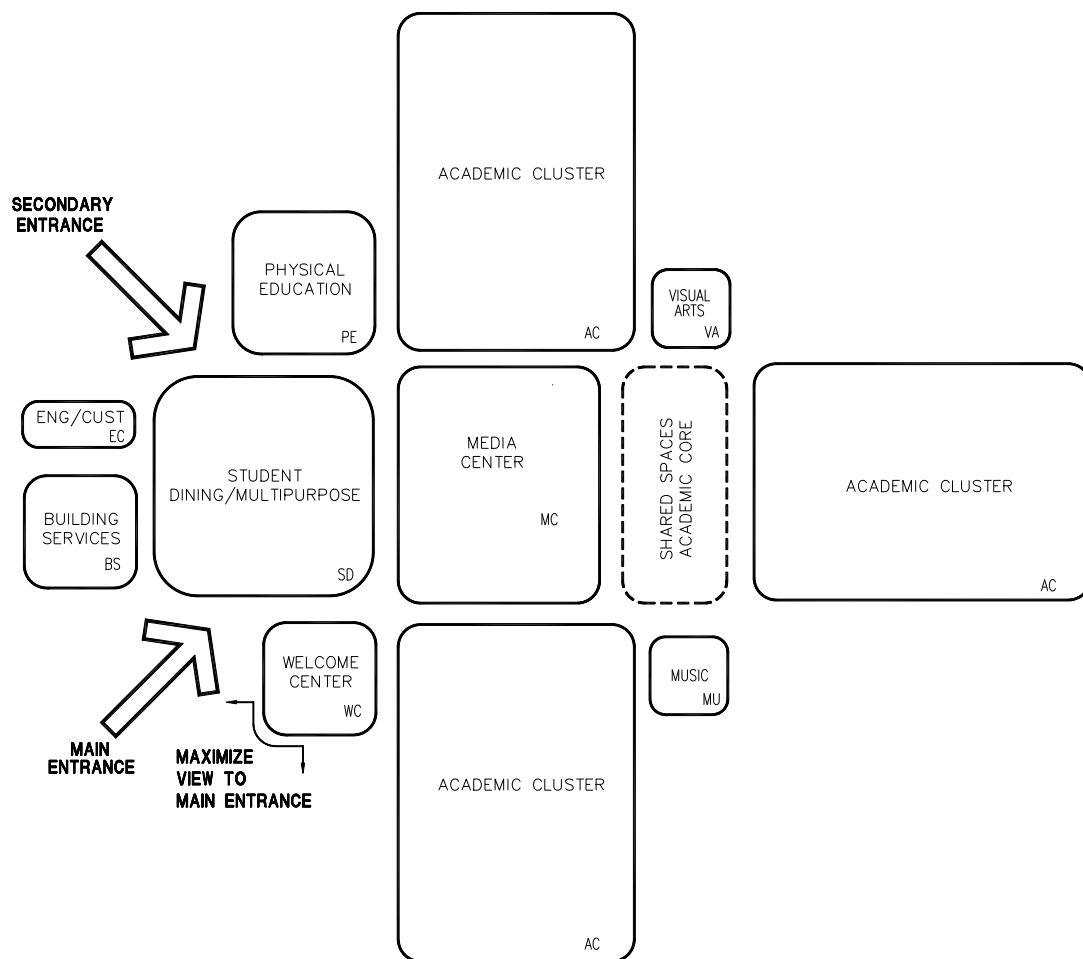
*2015 Master Facilities Plan update

Overview of Planning Concepts

Academic Cluster Concept

The Academic Cluster concept best meets the needs of the educational programs, students, and staff. The cluster concept facilitates a variety of instructional strategies and it provides a learning environment which is characterized by flexibility, a sense of community for the students and teachers, and a safe, well-supervised environment. Teachers will have the option and flexibility within a cluster to create and organize learning environments that work for students and their learning styles.

Academic areas are located in the quiet areas of the building that can be isolated during the off-hours. Noisier areas are grouped near the parking and public areas and allow for after hours access. Diagram Intro A shows a typical design based on the cluster concept.



Core Instructional Spaces

The basic organizational cluster for this school should consist of general purpose classrooms, a small group room, and a teacher work center. Each cluster would also contain a resource classroom used by support educators. Student restrooms should be located within the cluster commons.

Special Education

Special education facilities will be integrated throughout the school to support the concepts of inclusion and the specialized requirements for the students. Special attention will be given to accessibility of all facilities and an integrated learning program.

Garrison ES has a 3-classroom cluster of classrooms for students with autism. Two classrooms for early childhood and primary students should be on the ground floor and should be in a quiet area of the school to minimize noise and disruption.

Instructional Methods

Instructional methods vary with grade level, but maintain continuity from early childhood through the primary, intermediate, and middle grades. Predominant elements include:

- Integrated learning, where content areas cross disciplines
- Flexible groupings: In primary grades, regrouping stays within the classroom. The intermediate and middle may change classrooms during the day.
- Mentoring of older to younger students
- Extended day learning opportunities
- Parent involvement and volunteer activities

“Welcome Area”/Administration/Student Services

Immediately upon entry, visitors will be greeted in the “welcome area.” The primary administrative offices, guidance services, a parent resource room, and adult bathrooms will be located in this centralized area at the main entrance to the school. Visitor parking should be located by the front door. Signage and building design should clearly indicate the school entrance.

This entrance (or a secondary entrance) should allow for access to the after school and weekend activity areas while maintaining security to the classrooms.

Media Center

The media center will be located in modernized space and, to the extent feasible, meet the expectations as outlined in the text. However, because no building addition is funded in the scope of this project, expansion of the media center will be considered as part of a future project for expansion.

Visual Arts, Performing Arts and Science

The art and music classrooms will be shared by all grade levels for general class and small group instruction. The location and access to these rooms should promote orderly transitions.

Garrison has an after school orchestra that needs an acoustically appropriate place to meet and store their supplies.

Physical Education

No building addition is funded in the scope of this project. A physical education space that is separate from the multi-purpose room will be considered as part of a future project.

Dining and Food Service

No building addition is funded in the scope of this project. Modernization of the kitchen and multi-purpose room will be accomplished as part of a future project.

Corridors and Commons Spaces

The front entry lobby should be welcoming and inviting for students, staff, and visitors. Extensive display systems should be provided for 2-dimensional and 3-dimensional student work and awards. Finishes should be durable and easy to maintain. The scale of all spaces should be child-friendly. Colors, artificial lighting, and natural daylighting should be managed artfully to create an environment that communicates that school is a very special place.

Furniture & Equipment

Classrooms vary in shape and size; therefore, the furniture should be flexible to accommodate a variety of classroom formats for both individual and group activities. Teachers and students should have storage space for personal belongings, papers, books, supplies, and teaching materials.

To the extent possible, movable furnishings will be used, rather than fixed casework, to provide flexibility for future reconfiguration.

Technology

The facility will contain the latest in technology and be wired for voice, data, and video throughout the building. It is intended that access to technology will be seamless and pervasive throughout the building.

Every classroom will be wired for teacher audio enhancement. Research into this cutting-edge technology suggests that student learning can improve in classrooms where the teacher's voice is amplified and the classroom acoustics are designed to support voice clarity.

DCPS is moving to on-line testing. Approximately 1/3 of the students in Grades 2-5 should be able to test at one time. For Garrison 60 students must be able to work for up to 4 hours using wired and wireless access. The media center should provide 25 locations. Additional locations may be the music and art rooms. All locations will need additional electrical outlets.

Handicapped Accessibility

The entire facility will be accessible for students, staff, and visitors. This will be accomplished through judicious use of ramping and elevators with sufficient internal clearances for circulation, convenient bus/van loading and unloading, and nearby handicapped parking spaces. All elements of the Americans with Disabilities Act must be complied with, including wayfinding and signage, appropriate use of textures, and universal accessibility of all indoor and outdoor school facilities.

Performance Criteria

Scientists who study the "neuroscience of learning" are finding that certain lighting, acoustics, and spatial relationships support or hinder the learning process. The following criteria should be used when creating optimal learning and teaching environments.

Lighting Quality: Improving natural and artificial lighting in classrooms

	DESIGN PARAMETERS	PARAMETER NOTES
1) Controlled Natural Lighting (Glazing)	10 - 12% of floor S.F.	LEED & Green Globe
2) Artificial Light	35-50 Foot-candles	IES
3) Lighting Power Density	0.99 Watts/S.F. or less	ASHRAE 2010 & CHIPS

Environmental / Air Quality: Addressing temperature control, ventilation, air filtration, carbon dioxide levels, and HVAC background noise to ensure comfortable rooms.

	DESIGN PARAMETERS	PARAMETER NOTES
1) Winter Temperature	68.5 to 75.5 degrees	EPA 2000 & ASHRAE 55-04
Summer Temperature	74 to 80 degrees	
2) Humidity	30 % to 60% relative humidity	EPA 2000 & ASHRAE 55-04
3) Air Changes	6-10 per hour	ASHRAE
4) Outdoor Air Ventilation	10CFM per person	Plus 0.12 per SF of area
5) Air Filtration	MERV 13	LEED
	MERV 6 to 8	ASHRAE 52.2-2007 & 62.1-2007
6) Carbon Dioxide Levels	Below 700 PPM above outdoor air	ASHRAE 62.1-2007
7) HVAC Background Noise Level	RC(N) Mark II level of 37	ASHRAE Handbook Chapter 47

Acoustics: Limiting reverberation and background noise and improving sound isolation.

	DESIGN PARAMETERS	PARAMETER NOTES
1) Reverberation	.6 per second	(ANSI S12.60-2002)
2) Background Noise	45 dBA	(LEED)
3) Sound Isolation (Varies)	STC 45 between Classrooms	

Technology: Providing data connections for online learning resources, AV equipment, closed-circuit televisions, and a sound system with emergency capabilities.

DESIGN PARAMETERS PARAMETER NOTES	
1) Data / Computer Drops	At Teacher and Student Computers, at wireless access points
2) Audio / Video Equipment	
Projector linked to Teacher's PC	
or	
Interactive Whiteboard	
Sound Reinforcement	Amplifier, microphone, speakers
3) Clock	
Synchronized with Bell system	
4) Sound System & Emergency Call-box	
Ceiling or Wall Speaker	Class change bells, emergency announcements
5) CCTV Camera (TBD)	
Security, WebX conferencing, Distance Learning	

Sustainability: Build for energy efficiency

DESIGN PARAMETERS PARAMETER NOTES		
1) Building EUI	20% below Baseline	ASHRAE 2010
2) Building Envelope		
Meet or exceed R-value standards for building type		ASHRAE 90.1 2010
3) Water	Ultralow flow fixtures	ASHRAE 90.1 2010

Safety & Security

DCPS wants to maintain an inviting and de-institutionalized environment, while simultaneously providing a safe environment for students, staff, and community who use the facility and adjacent support services. The organization of a building will have a major impact on student behavior and safety concerns. Building security can be addressed in an active or a passive manner: active security is based on security systems; passive security is based on program design, building configuration, and community participation. Schools should be based on passive concepts with applied active concepts where necessary.

1. Building Layout

- Avoid blind spots, corners, and cubby holes
- Locate administrative and teacher preparation with good visual contact of major circulation areas (i.e., corridors, cafeteria, bus drop-off, parking)
- Develop spatial relationships that naturally transition from one location to another
- Locate toilets in close proximity to classrooms
- Design toilets to balance the need for privacy with the ability to supervise
- Locate areas likely to have significant community (after school) use close to parking and where these areas can be closed off from the rest of the building

2. Types of Building Materials

- Use durable wall surfaces that are easy to clean so graffiti can be removed
- Incorporate pitched roofs which inhibit roof entry and are aesthetically pleasing
- Operational part of windows on the ground floor should be in the upper portion to prevent access.
- Install non-slip floors and walk-off mats at point of entry
- All doors will have locks on the inside.

3. Uses of Technology

- Phones in every instructional and support area
- Building-wide all-call designed to be heard throughout the school and on the play fields when needed
- Motion or infra-red detectors, which can also conserve lighting costs
- Video cameras that are used for instructional purposes could also be used for security purposes during non-school hours
- Smoke and heat detectors located throughout the building

4. Vehicular and Pedestrian Traffic

- Separate bus drop-off area from other vehicular traffic
- Separate staff and community parking area
- Separate student (pedestrian) traffic flow

5. Landscaping, Play/Practice Fields, Site, and Lighting

- Use native high trees and low bushes (less than three feet high) to deter hiding
- If fencing is used it should be aesthetically pleasing fencing
- Non-intrusive lighting of all areas (not correctional-type lighting) according to the Light Pollution Credit in LEED-Ss with no lighting to leave property line
- Provide security lighting around building and parking lots with photocell timer, motion sensor and on/off capacity

Energy and Environmental Design

There is a high interest in using the LEED certified school building as a teaching tool to teach environmental stewardship and awareness, while simultaneously providing an engaging environment for students, staff, and community who use the facility.

The organization, understanding and use of a building will have a major impact on student and staff conservation behavior.

The sustainable design and green features of the building can be addressed in an active or a passive manner: active interaction is based on digital displays, educational features and curriculum integrated learning about environmental issues; passive interaction is based on the program design, building configuration, green building features, and energy efficient building automation.

Passive Concepts

1. Building Layout

- Concentrate daylight and views to the outside to areas of frequent human interaction (e.g. classrooms, cafeterias, media center, art rooms, music rooms) with passive solar design
- Avoid excessive window areas in corridors, lobbies, hallways with no gathering opportunities (design for less than 45% of wall area)
- Avoid skylights and use roof monitors with vertical glazing instead

2. Types of Building Materials

- Use durable wall surfaces that are easy to clean
- Design for cleanability with easy and safe access
- Incorporate light colored pitched roofs to prevent heat gain and leakage
- Install high performance walk-off mats at all points of entry
- Design with noise minimization in mind

3. Uses of Technology

- For instructional and administrative purposes, the new school should have extensive technology systems. These same infrastructures and technology components can be used to enhance the perception of the buildings environmental components. Digital display of buildings energy and water use at entrance and in cafeteria
- Website with environmental features of the school
- Use only vacancy sensors for classrooms, cafeteria etc. to turn off (not on) lighting
- Daylight sensors and dimming in larger areas (cafeteria, multi-purpose etc.)

4. Vehicular and Pedestrian Traffic

- Provide sufficient, covered and secured bicycle storage
- Provide bicycle lanes to building from all major access directions

5. Landscaping, Play/Practice Fields, Site, and Lighting

- Use native high trees and low bushes and ground covers and locate to provide shade to the building
- Non-intrusive lighting of all areas (not correctional-type lighting) according to the Light Pollution Credit in LEED-S with no lighting to leave property line

6. Green Curriculum

- Provide outdoor classroom
- Design interior with sense of buildings orientation to North – East – South - West

Active Concepts**1. Building Layout**

- Provide signage to educate users about interior and exterior green building features throughout
- Provide signage for user behavior modification, e.g. DCPS policy for thermostat settings, reminders to turn equipment off when not in use
- Provide visitor map with floor plan for location and explanation of green building features

2. Types of Building Materials

- Provide view window to inside of wall constructions and mechanical room
- Provide materials with environmental message in selective areas, e.g. 100% recycled post consumer plastic toilet compartments, wheatboard cabinets, or furniture made of wood harvested from school site, and explain with signage.

3. Uses of Technology

- For instructional and administrative purposes, the new school should have extensive technology systems. These same infrastructures and technology components can be used to enhance the perception of the buildings environmental components.
- Green morning announcement with update on energy and water use
- Student conducted energy audits
- School based resource conservation program with frequent feedback to users

4. Vehicular and Pedestrian Traffic

- Provide preferred parking for DCPS Green Fleet (for carpooling and fuel efficient vehicles)

5. Landscaping, Play/Practice Fields, Site, and Lighting

- Design for no-mow areas
- Design for student garden
- Provide solar or wind powered, off the grid site lighting as demonstration model for select areas

6. Green Curriculum

- LEED credit Schools as a Teaching Tool requires 10 hours of instruction per student, grade and school year on environmental issues related to the school building. The school buildings design should support this requirement wherever possible.

Proposed Capacity Model

Grade	Number of	Capacity
	Classrooms	
Pre-S/K	5	90
Pre-K Special needs	2	12
Kindergarten	2	40
1st Grade	2	40
2nd Grade	2	40
3rd Grade	2	44
4th Grade	2	44
5th Grade	2	44
Special Education	3	30
Total	21	384

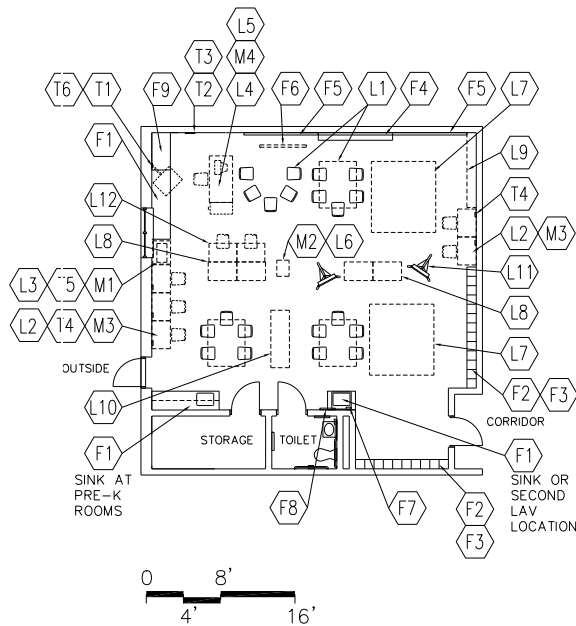
Building Space Summary

Space Summary	Current Scope	Future Phase
	Net	Net
Core Academic Areas	27,875	
Media Center	as is	2,700
Administration	3,075	
Student Dining & Food Service	as is	4,700
Maintenance & Custodial Services	as is	600
Physical Education	0	4,000

Core Academic Area Space Requirements (Note: program elements need to be test-fit with building square footage and budget)

Spaces	Guideline		Total	Comments
	Quantity	S.F.		
Pre-S/Kindergarten Classroom	5	1,175	5,875	Includes 50 sf toilet and 75 SF storage
Early childhood special needs	2	950	1,900	Includes 50 SF toilet
Kindergarten Classroom	2	1,175	2,350	Includes 50 sf toilet and 75 SF storage
Grade 1 Classroom	2	900	1,800	
Grade 2 Classroom	2	900	1,800	
Grade 3 Classroom	2	900	1,800	
Grade 4 Classroom	2	900	1,800	
Grade 5 Classroom	2	900	1,800	
Special Education (autism/LD)	3	900	2,700	Primary and 2 intermediate; Primary Includes 50 SF toilet
Special Needs				
- Resource Rm.	1	300	1,750	
- Speech	1	200		
- OT/PT/Sensory Rm.	1	600		
- Offices	3	150		
- Conference room	1	200		
ELL/Level reading room/tools of the mind	3	200	600	
Workroom/ Instructional coach	2	250	600	One per wing
Laptop cart storage/charging	2	50		
Additional instructional spaces				
Art	1	1200	1,200	w/ kiln and storage
Flexible "Specials" Classroom	1	900	900	Include plumbing/sink for science room.
Music	1	1000	1,000	
Total			27,875	

Tolerances of + or – 5-15% are acceptable. Adjacencies as specified are desirable, but options may be considered and should be reviewed with the planning team.

PRE-K-S / KINDERGARTEN**E-ACA-1A****CAPACITY:**

- Teachers
- 16-20 students (PS/PK/K)
- Parents/other staff

SIZE:

- 1,175 SF

ANCILLARY SPACES:

- Restroom E-ACA-16 (50 SF)
- Storage closet (50-100 SF)

SPATIAL RELATIONSHIPS:

- Group classrooms for potential teaming
- Locate coat cubbies near door
- Locate at first floor for emergency evacuations, if possible

GOALS:

- To foster self-discipline, independence, and responsibility
- To help children develop positive concepts about themselves and their capabilities
- To encourage and develop independent thinking and good work habits
- To develop language as a tool of learning and as a means of communication
- To provide and develop fundamental academic, social, emotional, physical, and thinking skills

PROGRAM ACTIVITIES:

- Whole group
- Teacher directed
- Small group
- One-on-one instruction
- Cooperative learning
- Discovery
- Language Arts
- Inquiry

ENVIRONMENTAL CONSIDERATIONS:

- Windows to provide natural light and egress
- Adequate ventilation
- Electrical outlets for equipment
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
 - Reverberation Time: .4-.6 seconds
- Uniform lighting
- Proportion classroom for effective viewing and listening from all areas of the classroom
- Window treatment to darken room for AV Presentation

NOTES:

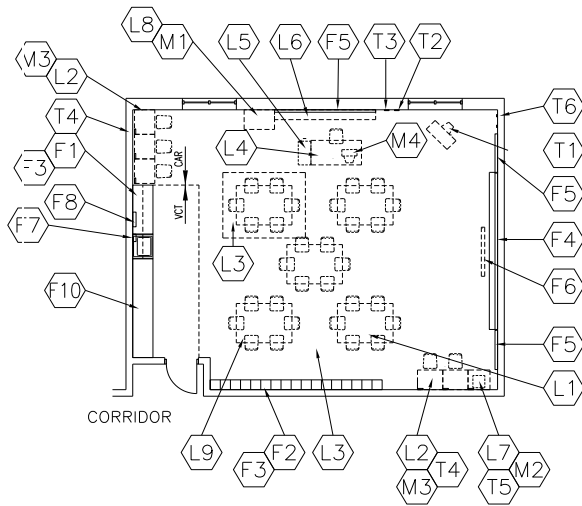
1. Loose furnishings and features shown represent one of many possible arrangements.
2. Locate sink at chase wall of restroom (or in close proximity)
3. Locate restroom chase as close to corridor as possible to minimize pipe runs
4. Where rooms are paired provide two lavatories with joint access (not including sink in casework).

PRESCHOOL / PRE-K / KINDERGARTEN**E-ACA-1A**

<u>Finishes¹:</u>		Spec. Ref.#	<u>Features¹:</u>		Spec. Ref.#
<u>Flooring:</u>			<u>Fixed Equipment:</u>		
Rubber tile/Area Rugs	096519/096816		F2	Deep storage for poster board	
<u>Base:</u>			<u>Carpentry:</u>		
Resilient base	096519		F3	Student cubbies (22/24)	064123
<u>Ceiling (9' high minimum):</u>			<u>Casework:</u>		
Suspended, acoustical	095113		F4	Wall shelving (over cubbies)	123200
<u>Walls:</u>			F5	Marker board (1 walls)	101100
Painted concrete masonry units or dry wall				10 LF primary	
One tackable wall surface	101100		F5	Tack board flanking marker board and on secondary teaching wall	101100
<u>Loose Furnishings:</u>				Plus two (2) parallel rows of continuous tack strips on all available walls (4 LF or longer) at 30" and 48" AFF	
L1	20-22 stackable chairs, 4-5 tables		F6	Manual projection screen (60"X60")	115213 ³
L2	2 computer stations w/ chairs		F7	Soap dispenser	102800
L4	Teacher work surface w/ mobile storage and 2 ergonomic chairs		F8	Towel dispenser	102800
L5	Four-drawer file cabinet		F9	Casework:	
L7	Bound carpet rug (oval), rug for block area, rug for reading area			Wardrobe (18"X18")	123200
L8	Mobile shelving (various)		<u>Fire Suppression:</u>		Div. 21
L9	Bookshelves (open or closed)		Fire suppression system		
L11	Learning center sets such as sand/water tables, kitchen, child-height dining, dress-up center, art cart, science light board, and blocks.		<u>Plumbing:</u> Div. 22		
	Kidney or horseshoe table (Kindergarten only)		Double sink at two heights		
<u>Communications:</u>		Div. 27	w/ drinking fountain at child height		
Single point 'face plate' near teachers work station to include:			w/ deep well at adult height		
Voice, data, VGA , audio enhancement, and HDMI			Plumbing connections		
<u>Additional ports:</u>			Wall-mounted watercloset		
3 data ports for student use			Wall-mounted lavatory		
Electronic white board			<u>HVAC:</u> Div. 23		
Clock/PA			Supply/return air system		
2 wireless			Independent temperature control		
<u>Miscellaneous:</u>			Exhaust air system (toilet)		
M2	Projection device (optional)	Div. 27	<u>Electrical:</u> Div. 26		
M3	2 computers for students use		Duplex receptacles		
M4	Computer for teachers use		3 per primary teaching wall		
	Audio enhancement equipment		At least 2 per other walls		
			TVSS protected quad receptacle adjacent to each data and video port		
			Multilevel switching		
			Fluorescent lighting		

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Items listed as casework may be purchased as furniture.

GRADES 1-5 CLASSROOM**E-ACA-2****SIZE:**

- 850 SF to 950 SF

CAPACITY:

- 20-24 students (1st – 3rd)
- 22-26 students (4th – 5th)
- 1 teacher
- Staff members
- Guest speakers/volunteers

GOAL:

- A flexible space to accommodate any of the core academic disciplines

PROGRAM ACTIVITIES:

- Large group instruction
- Small group instruction and group work
- Classroom work/lectures
- Computer instruction
- Team teaching
- Oral presentations
- Group and teamwork activities
- Testing

SPATIAL RELATIONSHIPS:

- Near main Corridor
- Near Media Center
- Near Workroom/Teacher Office
- Group classrooms for potential teaming
- Locate cubbies near student work area
- Locate coat cubbies near door

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Windows to provide natural light and egress
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
 - Reverberation Time: .4-.6 seconds
- Electrical outlets for equipment
- Adequate ventilation
- Proportion classroom for effective viewing and listening from all areas of the classroom
- Window treatment to darken room for AV presentations

NOTES:

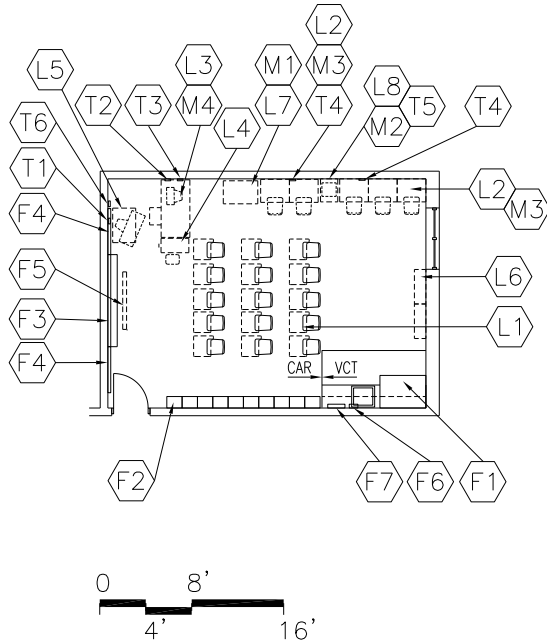
1. Lose furnishings and features shown represent one of many possible arrangements.
2. Items listed as casework may be purchased as furniture.
3. Classroom layouts should be opposite hand allowing sinks to be back to back.

GRADES 1-5 CLASSROOM**E-ACA-2**

	Spec. Ref.#		Spec. Ref.#
Finishes¹:		Features¹:	
Flooring:		Fixed Equipment:	
Resilient tile flooring	096519	F1 Casework:	123200
		Base/wall cabinets by sink	
Base:		Sturdy shelves on 3 walls in storage area	
Resilient base	096519	F2 Carpentry:	
		Student cubbies (24/28)	064123
Ceiling (9' high minimum):		F3 Casework:	
Suspended, acoustical	095113	Wall shelving (24 LF- H 30-32")	123200
Walls:		F4 Marker board (2 walls)	101100
Painted concrete masonry units or dry		16 LF primary/8 LF secondary	
wall		F5 Tack board flanking marker boards	101100
	042000/099123	Plus two (2) parallel rows of continuous	
One tackable wall surface	101100	tack strips on all available walls (4 LF or	
		longer) at 30" and 48" AFF	
Loose Furnishings:		F6 Manual projection screen (60"X60")	115213 ²
L1 6 tables or 24 student desks (see Furniture		F7 Soap dispenser	102800
Standards)		F8 Towel dispenser	102800
L2 2 computer workstations and chairs –		F9 Casework: Wardrobe (18"X18")	123200
student use			
L3 Bound carpet rug (thru Grade 2)		Fire Suppression:	Div. 21
L4 Teacher workstation with mobile storage		Fire suppression system	
and 2 adult chairs			
L5 Four drawer file cabinet		Plumbing:	Div. 22
L6 Adjustable height bookshelves		Sink with drinking fountain	
L9 24-26 student chairs		Plumbing connections	
Kidney or horseshoe table			
		HVAC:	Div. 23
Communications:	Div. 27	Supply/return air system	
Single point 'face plate' near teachers work		Independent temperature control	
station to include:			
Voice, data, VGA , audio enhancement,		Electrical:	Div. 26
and HDMI		Duplex receptacles	
Additional ports:		3 per primary teaching wall	
5 data ports for student use		2 per other walls	
Electronic white board		TVSS protected quad receptacle	
Clock/PA		adjacent to each data and	
2 wireless		video port	
		Multilevel switching	
Electronic Safety and Security:	Div. 28	Fluorescent lighting	
Life safety devices per code		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		Miscellaneous	Div. 27
		M3 2 computers for student use	
		M4 Laptop computer for teacher use	
		Audio enhancement Equipment	
		Document camera	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Delete where a digital white board is installed.

RESOURCE CLASSROOM/ESL**E-ACA-4****CAPACITY:**

- Up to 15 students
- 2 or more staff members

SIZE:

- Varies, see table

ANCILLARY SPACES:

N/A

GOAL:

- To provide a safe and comfortable learning environment for students with unique learning challenges

PROGRAM ACTIVITIES:

- Small group work
- Independent instruction and work

SPATIAL RELATIONSHIPS:

- Located within Academic Core areas
- Ingress/egress to the building which allows for special transportation pick-ups

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Windows to provide natural light and egress
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
Reverberation Time: .4-.6 seconds
- Electrical outlets for equipment
- Proportion classroom for effective viewing and listening from all areas of the classroom
- Window treatment to darken room for AV presentation

NOTES:

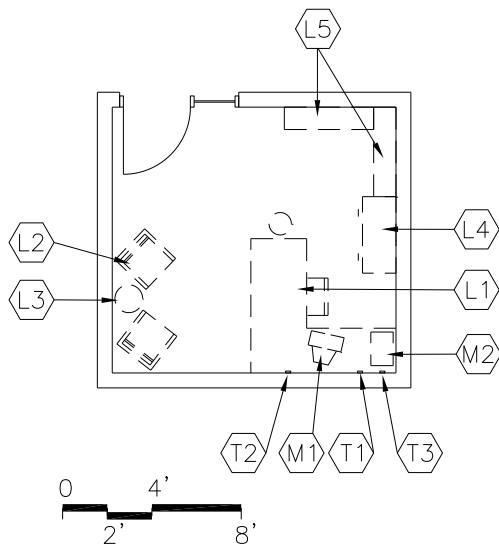
1. Loose furnishings and features shown represent one of many possible arrangements.
2. Orientation of Resource Classroom shall be determined as a result of layout of adjacent classrooms
3. Sink shall be located with close proximity to corridor.

RESOURCE CLASSROOM**E-ACA-4**

	Spec. Ref.#		Spec. Ref.#
Finishes ¹ :		Features ¹ :	
Flooring:		Fixed Equipment:	
Rubber tile	096519	F1 Casework:	123200
		Base/wall cabinets and shelving	
Base:		Paper storage cabinets	
Resilient base	096519	F3 Marker board (8 LF)	101100
		F4 Tack board (8 LF minimum)	101100
Ceiling (9' high minimum):		F5 Manual projection screen	115213
Suspended, acoustical	095113	F6 Soap dispenser	102800
		F7 Towel dispenser	102800
Walls:		F8 Casework: Wardrobe	123200
Painted concrete masonry units or dry wall			
042000/099123		Fire Suppression:	Div. 21
		Fire suppression system	
Loose Furnishings:			
L1 8-10 student desks or 2-3 student tables		Plumbing: Div. 22	
L2 3 computer workstations and chairs		Plumbing connections (optional)	
L3 Teacher workstation and chair		Sink with drinking fountain	
L4 Four-drawer file cabinet			
L5 Mobile shelving		HVAC: Div. 23	
L6 Adjustable height bookshelves (20 LF)		Supply/return air system	
		Independent temperature	
		Control	
Communications:	Div. 27	Electrical: Div. 26	
Single point 'face plate' near teachers work		Duplex receptacles	
station to include:		3 per primary teaching wall	
Voice, data, VGA , audio enhancement,		2 per other walls	
and HDMI		TVSS protected quad receptacle	
Additional ports:		adjacent to each data and	
3 data ports for student use		video port	
Electronic white board		Fluorescent lighting	
Clock/PA		Illumination level: See Table 7600-16	
1 wireless		Multilevel switching	
Miscellaneous:		Clock	
M3 2-3 computers for student use		Central sound system	
M4 Computer for teacher use			
		Electronic Safety and Security:	Div. 28
		Life safety devices per code	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Items listed as casework may be purchased as furniture.

STUDENT SERVICES**E-ACA-5****CAPACITY:**

- Counselors/social workers/Sped Coordinators
- Students and parents
- Staff

SIZE:

- 150 SF

GOAL:

- To serve as a space from which support staff can provide a variety of services to students and their families

PROGRAM ACTIVITIES:

- Group and individual counseling
- Student assessment

SPATIAL RELATIONSHIPS:

- Near Academic Core areas

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
- Windows to provide natural light if on outside wall, if possible

NOTES:

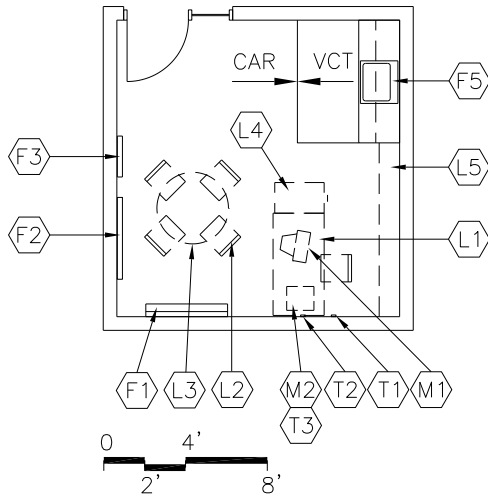
1. Loose furnishings and features shown represent one of many possible arrangements.
2. An internal window (with blinds) may be provided in lieu of sidelight.

STUDENT SERVICES**E-ACA-5**

		Spec. Ref.#			Spec. Ref.#
<u>Finishes¹:</u>			<u>Features¹:</u>		
<u>Flooring:</u>			<u>Fixed Equipment:</u>		
Linoleum		096516	N/A		
<u>Base:</u>			<u>Fire Suppression:</u>		Div. 21
Resilient base		096519	Fire suppression system		
<u>Ceiling:</u>			<u>Plumbing:</u>		
Suspended, acoustical		095113	N/A		
<u>Walls:</u>			<u>HVAC:</u>		Div. 23
Painted gypsum wallboard over metal studs		092116/ 099123	Supply/return air system Independent temperature control		
<u>Loose Furnishings:</u>			<u>Electrical:</u>		Div. 26
L1	Admin workstation and chair		Duplex receptacles		
L2	Visitor chair		TVSS protected quad receptacle adjacent to each data port		
L3	Small table (optional)		Single-level switching		
L4	Four-drawer file cabinet		Fluorescent lighting		
L5	Adjustable height bookshelves (12 LF)		Illumination level: See Table 7600-16		
			Clock		
			Central sound system		
			<u>Communications:</u>		Div. 27
			T1	Data port near workstation	
			T2	Voice port and phone	
			T3	Data port for printer	
			<u>Electronic Safety and Security:</u>		Div. 28
			Life safety devices per code		
			<u>Miscellaneous:</u>		
			M1	Computer	
			M2	Printer	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

SPEECH ROOM**E-ACA-6****CAPACITY:**

- 1-3 students
- 1-2 staff

SIZE:

- 200 SF

ANCILLARY SPACES:

N/A

GOAL:

- To provide private training for students

PROGRAM ACTIVITIES:

- Group and individual practice
- Student assessment

SPATIAL RELATIONSHIPS:

- Near Academic Core areas
- Near Special Needs Classroom

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35

NOTES:

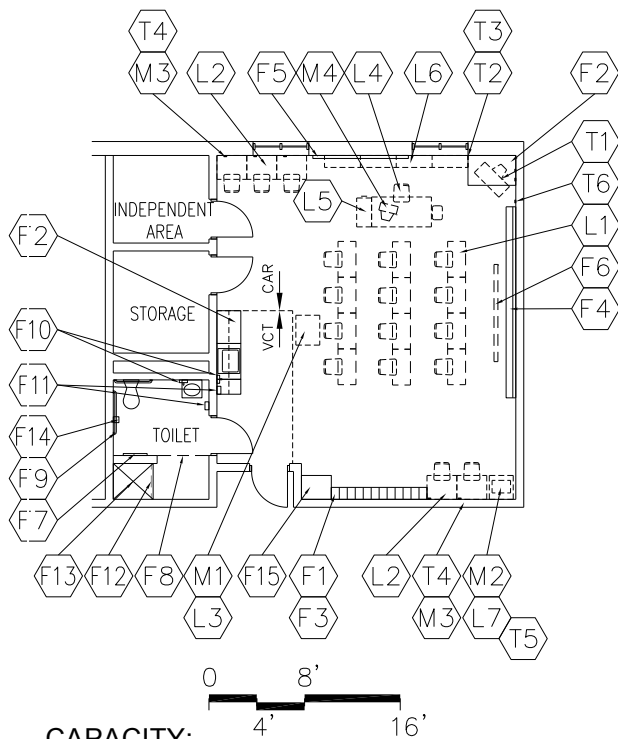
1. Loose furnishings and features shown represent one of many possible arrangements.
2. An internal window (with blinds) may be provided in lieu of sidelight.

SPEECH ROOM**E-ACA-6**

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		Fixed Equipment:	
Carpet	096816	F1 Marker board (4 LF)	101100
		F2 Tack board (4 LF)	101100
Base:		F3 24" x 60" Mirror1	088000
Resilient base	096519	F4 Casework:	
		Base/wall cabinet	123200
Ceiling:		F5 Soap dispenser	102800
Suspended, acoustical	095113	F6 Towel dispenser	102800
Walls:		<u>Fire Suppression:</u>	Div. 21
Painted gypsum wallboard		Fire suppression system	
over metal studs	092116/ 099123		
<u>Loose Furnishings:</u>		<u>Plumbing:</u>	Div. 22
L1 Admin workstation and chair		Sink with drinking fountain (optional)	
L2 Visitor chairs		Plumbing connections	
L3 Small table			
L4 Four-drawer file cabinet		<u>HVAC:</u>	Div. 23
L5 Adjustable height bookshelves (12 LF)		Supply/return air system	
		Independent temperature control	
<u>Communications:</u>	Div. 27	<u>Electrical:</u>	Div. 26
Single point 'face plate' near teachers work station to include:		Duplex receptacles	
Voice, data, VGA , audio enhancement, and HDMI		TVSS protected quad receptacle adjacent to each data port	
Additional ports:		Single-level switching	
data port for student use		Fluorescent lighting	
Clock/PA		Illumination level: See Table 7600-16	
1 wireless		Clock	
		Central sound system	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		M2 Printer	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

SPECIAL NEEDS CLASSROOM**E-ACA-7****CAPACITY:**

- 6-10 students
- 2 or more staff

SIZE:

- 850 SF to 950 SF

ANCILLARY SPACES:

- Individual restroom with shower (100 SF)
- Storage closet (50 SF)
- Independent area - Intermediate rooms only; consult staff on design (50 SF)

Note: Autism students need space with no extremes of light or background sound. This may require window light filters, acoustical treatments, etc.

GOAL:

- To provide an appropriate learning environment for students who have physical, emotional or educational needs requiring a self-contained space for part or all of the day

PROGRAM ACTIVITIES:

- Small group work
- Independent work
- Individual instruction

SPATIAL RELATIONSHIPS:

- Near bus drop-off
- Near Health Clinic
- Elevator access
- Toilet access (CIC-clean intermittent catheterization, with shower)
- Accessible ingress/egress to the building and classroom areas
- PreK and K - Locate at first floor for emergency evacuations
- Located and integrated within the Academic Core Area

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting – no background buzz
- Windows to provide natural light and egress
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
 - Reverberation Time: .4-.6 seconds
- Electrical outlets for equipment
- General room exhaust
- Adequate ventilation
- Proportion classroom for effective viewing and listening from all areas of the classroom
- Provide separate time-out room with security glazing for monitoring
- Window treatment to darken room for AV presentation

NOTES:

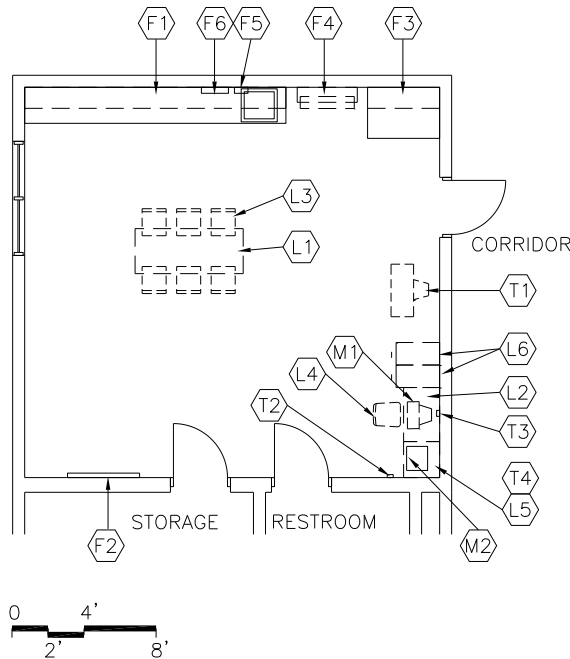
1. Loose furnishings and features shown represent one of many possible arrangements.
2. Walls in Timeout Room shall have protective padding. Door shall have a narrow window.
3. Storage Room between Special Needs Classrooms double as observation.

SPECIAL NEEDS CLASSROOM**E-ACA-7**

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
<u>Flooring:</u>		<u>Fixed Equipment:</u>	
Resilient tile flooring	096519	F1 Carpentry: Student cubbies (6-10)	064123
096816		F2 Casework:	
Toilet: Ceramic mosaic tile	093013	Base/wall cabinets by sink	
<u>Base:</u>		Sturdy shelves in storage area	
Resilient base	096519	F4 Marker board (2 walls)	101100
Toilet: Ceramic mosaic tile base	093013	16 LF primary/8 LF secondary	
<u>Ceiling (9' high minimum):</u>		F5 Tack board flanking marker boards	
Suspended, acoustical	095113	Plus two (2) parallel rows of continuous	
Shower: Painted portland cement plaster		tack strips on all available walls (4 LF or	
092400/099123		longer) at 30" and 48" AFF	
<u>Walls: Painted concrete masonry units or dry</u>		F6 Manual projection screen 60"X60") ²	
wall	042000/099123	F8 Cubicle curtain	102800
Toilet: Epoxy painted concrete		F9 36" and 42" grab bars	102800
masonry units	042000/099123	F10/11 Soap and towel dispenser	102800
Shower: Ceramic tile	093013	F12 Shower curtain and rod	102800
<u>Loose Furnishings:</u>		F13 ADA shower accessories	102800
L1 6-10 student desks or tables		F14 Toilet tissue dispenser	102800
L2 3 computer workstations/printer and chairs		L6 Adjustable height bookshelves (24 LF)	
L3 Adjustable audio video cart for teacher		F15 Casework: Wardrobe	123200
L4 Teacher workstation and 2 chairs			
L5 Four-drawer file cabinet		<u>Fire Suppression:</u>	Div. 21
<u>Communications:</u>	Div. 27	Fire suppression system	
Single point 'face plate' near teachers work		<u>Plumbing:</u>	
station to include:		Sink with drinking fountain	
Voice, data, VGA , audio enhancement,		Plumbing connections	
and HDMI		Wall-mounted water closet	
<u>Additional ports:</u>		Wall-mounted lavatory	
3 data ports for student use		ADA shower controls and head	
Electronic white board		Floor drain	
Clock/PA		<u>HVAC:</u>	Div. 23
2 wireless		Supply/return air system	
iPad/tablet (6) recharging station in locked		Independent temperature	
closet		control	
<u>Miscellaneous:</u>		Exhaust air system	
M3 3 computers for student use		<u>Electrical:</u>	Div. 26
M4 Computer Laptop for teacher use		Duplex receptacles	
Audio enhancement equipment		3 per primary teaching wall,	
Document camera		At least 2 per other walls	
		TVSS protected quad receptacle	
		adjacent to each data and	
		video port	
		Multilevel Fluorescent lighting –	
		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Delete where digital white board is installed.

WORKROOM /Instructional Coach**E-ACA-12****CAPACITY:**

- Teachers
- Teachers' assistants
- Parents/volunteers

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Staff restroom

GOALS:

- To provide a space where adults can meet for committee work
- To provide a space where teachers can perform administrative work
- To provide a space for storage of grade-level materials

PROGRAM ACTIVITIES:

- Team staff meetings
- Lesson planning and grading
- Scheduling appointments
- Record keeping
- Develop and review teacher materials
- Centralized printing

SPATIAL RELATIONSHIPS:

- Instructional coach centrally located
- Workroom on a different floor from staff lounge
- Access to Staff Restroom(s) from corridor

ENVIRONMENTAL CONSIDERATIONS:

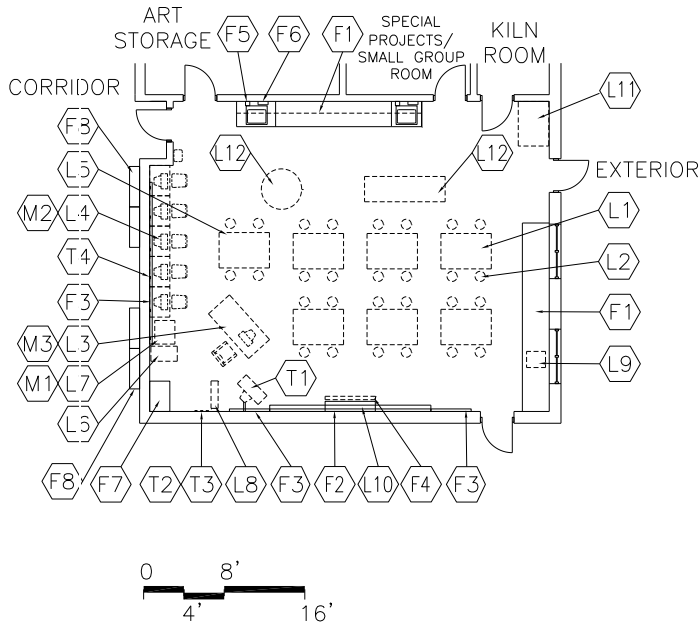
- Uniform lighting
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
- Adequate ventilation
- Electrical outlets for equipment
- Window to provide natural light, desirable

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.
2. Optional: Consideration for internal window(s) with blinds to corridor.

WORKROOM / INSTRUCTIONAL COACH**E-ACA-12**

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Resilient tile flooring	096519	F1 Casework:	123200
		Base cabinets	
Base:		Wall cabinets/shelving	
Resilient base	096519	F2 Tack board (4 LF)	101100
		F3 Casework:	123200
Ceiling:		Deep storage for poster board	
Suspended, acoustical	095113	F4 Towel dispenser	102800
		F5 Soap dispenser	102800
Walls:			
Painted concrete masonry units		<u>Fire Suppression:</u>	Div. 21
042000/099123		Fire suppression system	
<u>Loose Furnishings:</u>			
L1 1-2 Table (s)		<u>Plumbing:</u> Div. 22	
L2 Computer workstation furniture		Plumbing connections	
L3 6 chairs		Sink	
L4 Ergonomic task chair			
L5 Printer table		<u>HVAC:</u> Div. 23	
L6 2, four-drawer file cabinets		Supply/return air system	
<u>Communications:</u>	Div. 27	<u>Electrical:</u> Div. 26	
T2 Voice port and phone		Duplex receptacles	
T3 Data port near workstation		TVSS protected quad receptacle	
T4 Data port at printer		adjacent to each data and	
		video port	
<u>Miscellaneous:</u>		Fluorescent lighting	
M2 Printer		Multilevel switching	
		Clock	
		Central sound system	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

ART LAB**E-VA-1****CAPACITY:**

- 20-24 students
- 1 teacher
- Student teacher
- Parent volunteers
- Student volunteers

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Kiln Room (E-VA-3) 75 SF
- Art Storage (E-VA-2) 125 SF

SPATIAL RELATIONSHIPS:

- Centrally located with convenient access to Core Academic classrooms
- Adjacent and access to Kiln Room

GOALS:

- To provide an area for students to work on a variety of art projects and to have positive experiences, which include developing confidence, commitment, and a sense of accomplishment
- To explore the manipulation of a variety of materials
- To develop technical and expressive skills
- To become aware of and be able to articulate thoughts about art and its reflection of other societies, cultures, and times
- To provide clean, adequate space in which to store art supplies and student projects

PROGRAM ACTIVITIES:

- Drawing, painting, and print making
- Sculpture, model-making, collage, and assembly
- Ceramics-clay (age appropriate)
- Computer graphics and mixed media work
- Guest artist lectures
- Demonstrations
- Viewing prints/slides/movies/art videos
- Research, reading, and writing
- Individual and cooperative group work
- Storage of supplies, projects, and small equipment
- Mixed media work

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting/track and display lighting
- Windows to provide natural light and egress, preferably northern exposure
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Include outlets on the wall above counter spaces in raceway
- Electrical outlets for equipment
- Provide one ceiling hung, retractable electrical outlet
- Window treatment to darken room for AV presentation as required

NOTES:

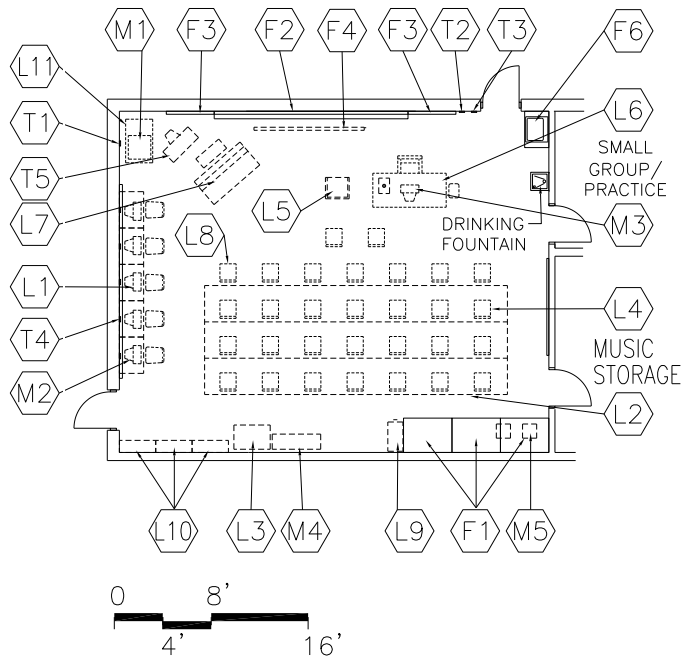
1. Loose furnishings and features shown represent one of many possible arrangements.

ART LAB**E-VA-1**

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		Fixed Equipment:	
Quartz tile	096618	F1 Casework:	
Base:		30" high base/wall cabinets near	
Resilient base	096519	sinks	123200
Ceiling (12' high minimum to underside of deck):		Paper storage cabinets	
Exposed structure, painted	099123	F2 Marker board	101100
with acoustical treatment	098400	16 LF primary	
Walls:		F5 Tack board flanking marker board	
Painted concrete masonry units or dry wall		Plus two (2) parallel rows of continuous tack strips on all available walls (4 LF or longer) at 30" and 48"	
One tackable wall	042000 / 099123	AFF	
<u>Loose Furnishings:</u>		F6 Manual projection screen (60"x60")	115213 ³
L1 12 2-person student work tables		F5 Soap dispenser (at each sink)	102800
L2 24-30 Student chairs		F6 Towel dispenser (at each sink)	102800
L3 Teacher workstation and chair		F7 Casework: Wardrobe	123200
L4 3 computer (laptops) tables and chairs		F8 Display cases	
L6 1, four-drawer file cabinet		<u>Fire Suppression:</u>	Div. 21
L7 Audio visual cart for teacher use		Fire suppression system	
L10 Adjustable height shelves (24 LF) for drying 3D objects		<u>Plumbing:</u> Div. 22	
Drying rack (40-80 slats)		Sinks with solids interceptor	
Flat storage (10 drawers)		2 large, deep sinks	
<u>Communications:</u>	Div. 27	Plumbing connections	
Single point 'face plate' near teachers work station to include:		<u>HVAC:</u> Div. 23	
Voice, data, VGA, audio enhancement, and HDMI		Supply/return air system	
Additional ports:		Independent temperature control	
3 data ports for student use		Manually controlled general exhaust	
Electronic white board		<u>Electrical:</u> Div. 26	
Clock/PA		Duplex receptacles	
2 wireless		3 per primary teaching wall	
<u>Miscellaneous:</u>		At least 2 per other walls	
M1 Interactive white board	Div. 27	TVSS protected quad receptacle	
M2 2-3 computers for student use		adjacent to each data port	
M3 Computer for teacher use		Multilevel switching	
Audio enhancement equipment		Fluorescent lighting	
Document camera		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		Display/track lighting	

NOTES:

Finishes/Features: Refer to Chapter 8 for specification references.

GENERAL MUSIC ROOM**E-MU-1****CAPACITY:**

- 20-24 music students
- 1 teacher
- Parents/volunteers

SIZE:

- 1,000 SF

GOAL:

- To provide students with the opportunity to explore and develop skills in music through large group, ensemble, and solo experiences

PROGRAM ACTIVITIES:

- Listen, analyze, describe, and compose music (stereos, CD players, computers and printer, laser discs)
- Sing alone and with others (solos, duets, trios, ensembles, large groups)
- Guest speakers and performers (solo and ensembles)
- Group instruction (small and large)
- Choral, speech, theatrics (musicals, operas)
- View educational videos for music enrichment
- Extra-curricular after school activities (i.e., Odyssey of the Mind, church groups)

SPATIAL RELATIONSHIPS:

- Storage in the classroom

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting/Theatrical lighting
- Environmental sound control:
Wall minimum: STC 50
Ceiling minimum: CAC 35
- Sound insulation in walls (extended above ceiling to underside of deck)
- Acoustical wall treatments
- Electrical outlets for equipment
- Adequate ventilation
- Proportion classroom for effective viewing and listening from all areas of the classroom
- Auditory privacy
- Drinking fountain in classroom

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

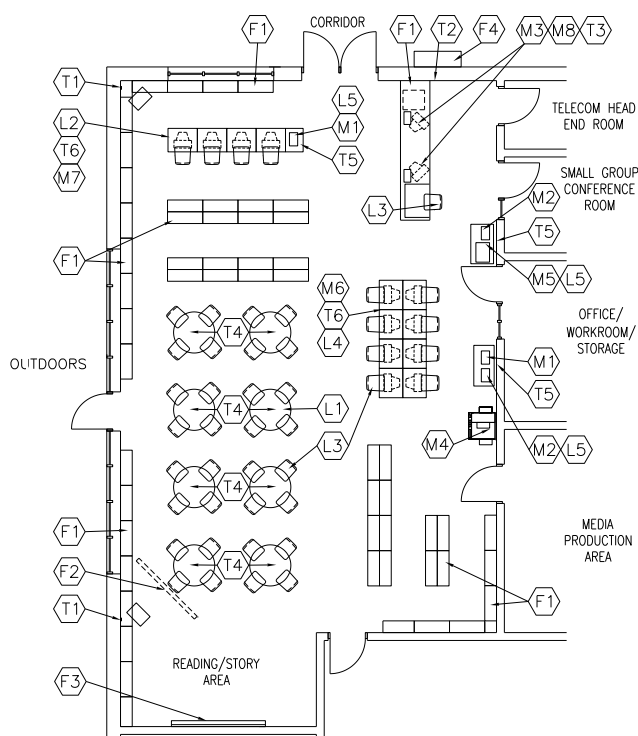
GENERAL MUSIC ROOM

E-MU-1

<u>Finishes¹:</u>		<u>Spec.</u> <u>Ref.#</u>	<u>Features¹:</u>		<u>Spec.</u> <u>Ref.#</u>
Flooring:			Fixed Equipment:		
Carpet		096816	F1 Casework:		
Base:			Paper storage cabinets		123200
Resilient base		096519	F2 Marker board (16 LF)		
Ceiling(10' high minimum):			1/2 with music staff bars		101100
Suspended, acoustical		095113	F3 Tack board		101100
Walls:			F4 Manual projection screen		115213
Painted concrete masonry units			F5 Casework:		
	042000 / 099123		Wardrobe		123200
			F6 Casework:		
			Sink cabinet		123200
<u>Loose Furnishings:</u>			<u>Fire Suppression:</u>		
L1	3 computer workstations and chairs		Fire suppression system		Div. 21
L2	Portable choral risers with rails				
L3	Mobile A/V cabinet				
L4	24 music posture chairs		<u>Plumbing:</u>	Div. 22	
L5	Conductor podium, chair and stand		Plumbing connections		
L6	Teacher desk and chair		Drinking fountain		
L7	Upright piano		Sink		
	Instrument storage				
	(see furniture standards)		<u>HVAC:</u>	Div. 23	
L9	Four-drawer file cabinet		Supply/return air system		
L10	Adjustable height bookshelves (24LF)		Independent temperature control		
<u>Communications:</u>			<u>Electrical:</u>		
		Div. 27	Div. 26		
Single point 'face plate' near teachers work station to include:			Duplex receptacles		
	Voice, data, VGA , audio enhancement, and HDMI		3 per primary teaching wall		
Additional ports:			2 per other walls		
	3 data ports for student use		TVSS protected quad receptacle adjacent to each data and video port		
	Electronic white board		Multilevel switching		
	Clock/PA		Fluorescent lighting		
	2 wireless		Illumination level: See Table 7600-16		
<u>Miscellaneous:</u>			Theatrical lighting		
M1	Projection device on cart	Div. 27	Clock		
M2	2-3 computers for student use		Central sound system		
M3	Computer teacher use				
M4	MIDI synthesizer		<u>Electronic Safety and Security:</u>		Div. 28
M5	A/V recording/playback equipment		Life safety devices per code		
	Document camera				

NOTES:

1. **Finishes/Features:** Refer to Chapter 8 for specification references.

MEDIA CENTER READING / LEARNING / CIRCULATION AREA/Computer area**E-MC-1****CAPACITY:**

- 50 students
- 3 teachers
- 1 media specialist
- Media assistant
- Community patrons after school hours

GOAL:

- To provide students, staff and community with access to information and quiet study areas
- To provide a place for on-line testing

PROGRAM ACTIVITIES:

- Reading
- Circulation of materials and resources including online catalogs
- Large group and small group instruction
- Provide meeting areas for community, staff, and parents
- Dramatic reading and storytelling

SPATIAL RELATIONSHIPS:

- Four activity areas:
 - Stacks predominantly on periphery of room
 - Interactive and small group areas
 - Storytelling area (25 students)
 - On-line learning/teaching area (may be separated with a movable wall)
- Information desk located close to entrance and near office/workroom
- Locate standing card catalog station next to information desk
- Good sight lines to all ancillary spaces
- Mobility for all free standing furniture including book shelves (on castors)

ENVIRONMENTAL CONSIDERATIONS:

- Recessed floor (data and duplex) outlets in floor at tables
- Adequate ventilation
- Lighting appropriate to task with switches to dim separate zones of Media Center
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
- Electrical outlets at entrance for future security system
- Electrical outlets at all column locations
- Windows to provide natural light
- Security of school when center is in use after school hours
- Ceiling height in proportion to room dimensions
- Electrical outlets in toe space of wall shelving
- Window treatment to darken room for AV presentation

NOTES:

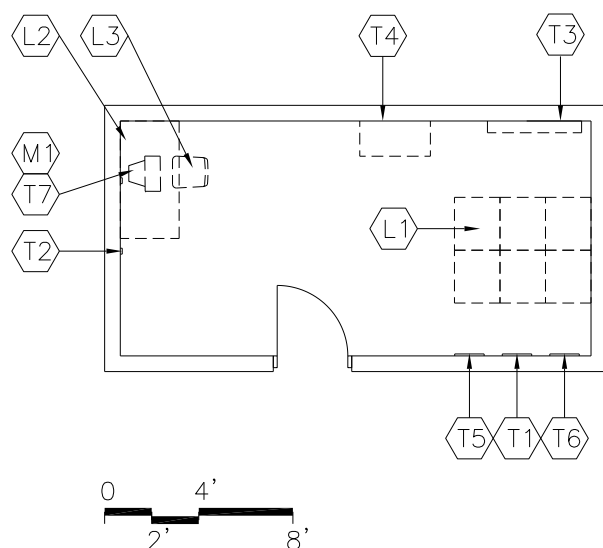
1. Loose furnishings and features shown represent one of many possible arrangements.
2. Freestanding book stacks shall be 42" high. Book stacks against the wall may be 60" to 84" high. Coordinate with other equipment and windows.

READING / LEARNING / CIRCULATION AREA**E-MC-1**

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		Fixed Equipment:	
Carpet	096816	F1 Library casework (see furniture standards)	
Base:		F2 Motorized projection screen	115213
Resilient base	096519	F3 Marker board (8 LF)	101100
Ceiling:		F4 Display cases	123559
Suspended, acoustical	095113	<u>Fire Suppression:</u>	Div. 21
Walls:		Fire suppression system	
Painted concrete masonry units 042000 / 099123		<u>HVAC:</u>	Div. 23
<u>Loose Furnishings:</u>		Supply/return air system Independent temperature control	
L1 8 four-person tables		<u>Electrical:</u>	Div. 26
L2 2 automated card catalog stations		Duplex receptacles	
L3 45 chairs (per student enrollment)		TVSS protected quad receptacle	
L4 30 computer stations and chairs		adjacent to each data and	
L5 Printer table		video port	
Soft seating		Single-level switching	
<u>Miscellaneous:</u>		Fluorescent lighting	
M1 Black and white printers		Illumination level: See Table 7600-16	
M2 Color printers		Means of egress lighting per code	
M3 2 bar code readers		Central sound system	
M4 Photocopy machine		Floor boxes (electrical/data) throughout	
M5 Digital scanner		reading room for flexible loose	
M6 30 computers for student use		furnishings layout	
M8 2 computers for staff use		<u>Communications:</u>	Div. 27
		T1 2	
		and brackets	
		T2 Voice port and phone	
		T3 2 data ports at circulation desk	
		T4 30 data ports for student use	
		T5 3 data ports for printers	
		T6 data ports for automated data card cat	
		Interactive electronic board in teaching area	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

TELECOM HEAD END ROOM**E-MC-5****CAPACITY:**

- 1-2 staff members

SIZE:

- 200 SF

ANCILLARY SPACES:

- Reading/Learning/Circulation Area (E-MC-1)

GOALS:

- To provide a secure area to serve as the information hub of the school. File servers will serve the building computer network
- To provide satellite up and down links that will send and receive voice, video, and data
- Location of cable TV input and output
- All areas of the school are to be wired to this area

PROGRAM ACTIVITIES:

- Voice, video, data reception, and distribution
- Security system location
- Network management
- Telephone wiring entry and distribution
- Cable and CCTV reception and broadcasting

SPATIAL RELATIONSHIPS:

- May also be located in the Administration Area
- Adjacent to and access to Reading/Learning/Circulation Area
- Could be accessed from workroom in lieu of Reading/Learning/Circulation Area
- Additional access from corridor

ENVIRONMENTAL CONSIDERATIONS:

- Adequate power supply will be required and auxiliary UPS power for back-up (Quality of power is important.)
- Dedicated electrical circuitry
- Air conditioning dedicated to this space
- Adequate ventilation
- Access to ceiling and walls for modification to systems and wiring
- Security of door

NOTES:

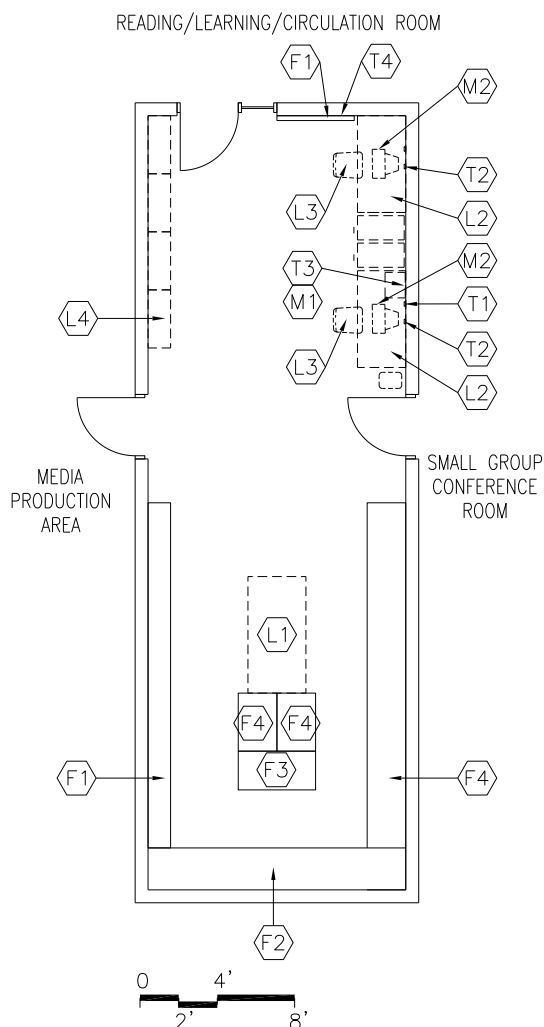
1. Loose furnishings and features shown represent one of many possible arrangements.

TELECOM HEAD END ROOM**E-MC-5**

<u>Finishes¹:</u>		Spec.	<u>Features¹:</u>		Spec.
		<u>Ref.#</u>			<u>Ref.#</u>
Flooring:			N/A		
Resilient tile flooring		096519	<u>Fire Suppression:</u>		Div. 21
			Fire suppression system		
Base:			<u>Plumbing:</u>		
Resilient base		096519	N/A		
Ceiling:			<u>HVAC:</u>		Div. 23
Suspended, acoustical		095113	Supply/return air system		
Walls:			Independent, packaged system		
Painted concrete masonry units		042000 / 099123	<u>Electrical:</u>		Div. 26
<u>Loose Furnishings:</u>			Duplex receptacles		
L1 6-8 technology racks			Quad receptacles for		
Wastebasket			electronic systems		
L2 Workstation			Single-level switching		
L3 Ergonomic task chair			Fluorescent lighting		
			Illumination level: See Table 7600-16		
			Central sound system		
			<u>Communications:</u>		Div. 27
			T1 Data network system		
			T2 Voice port and phone		
			T3 Telephone switchgear		
			T4 Video network control		
			T5 Satellite dish connection		
			T6 Satellite/cable system controls		17430
			Access		
			<u>Electronic Safety and Security:</u>		Div. 28
			Life safety devices per code		
			<u>Miscellaneous:</u>		
			M1 Computer		

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

COMBINED OFFICE / WORKROOM**E-MC-6****CAPACITY:**

- Media specialists

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Reading/Learning/Circulation Area (E-MC-1)
- Media Production Area (E-MC-2)

GOAL:

- To provide a less visible and secure space for processing incoming materials and storage of materials

PROGRAM ACTIVITIES:

- Storage of materials
- Storage of A/V materials and videotapes
- Scanning
- Digitizing

SPATIAL RELATIONSHIPS:

- Adjacent to and access to Reading/Learning/Circulation Area
- Adjacent to and access to Office
- Adjacent to and access to Media Production Area
- Located behind circulation desk and whole class zone

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Auditory privacy

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

COMBINED OFFICE / WORKROOM

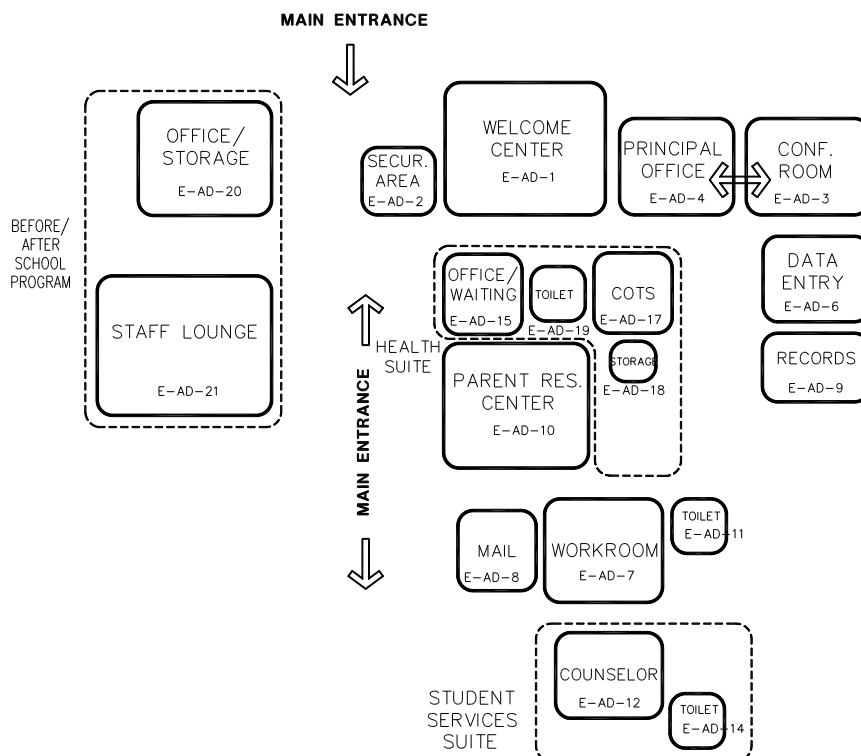
		Spec.			Spec.
<u>Finishes¹:</u>		Ref.#	<u>Features¹:</u>		Ref.#
Flooring:			Fixed Equipment:		
Resilient tile flooring		096519	F1 Storage shelving		105613
			F2 Casework:		
			Tall cabinet (24" deep)		123200
Base:			F3 Poster/map storage		123200
Resilient base		096519	F4 Casework:		
			Base cabinets with power		123200
Ceiling:					
Suspended, acoustical		095113	<u>Fire Suppression:</u>		Div. 21
			Fire suppression system		
Walls:			<u>Plumbing:</u>		
Painted concrete masonry units		042000 / 099123	Plumbing for sink		
<u>Loose Furnishings:</u>					
L1 Work table			<u>HVAC:</u>	Div. 23	
L2 Computer workstation			Supply/return air system		Div. 15
L3 Chair					
L4 Adjustable height bookshelves			<u>Electrical:</u>	Div. 26	
L5 Four – drawer file cabinets			Duplex receptacles		
			At casework island		
			TVSS protected quad receptacle		
			adjacent to each data port		
			Single-level switching		
			Fluorescent lighting		
			Illumination level: See Table 7600-16		
			Clock		
			Central sound system		
			<u>Communications:</u>		Div. 27
			T1 Voice port and phone		
			T2 Data port		
			<u>Electronic Safety and Security:</u>		Div. 28
			Life safety devices per code		
			<u>Miscellaneous:</u>		
			M1 Printer		
			M2 2 computers		

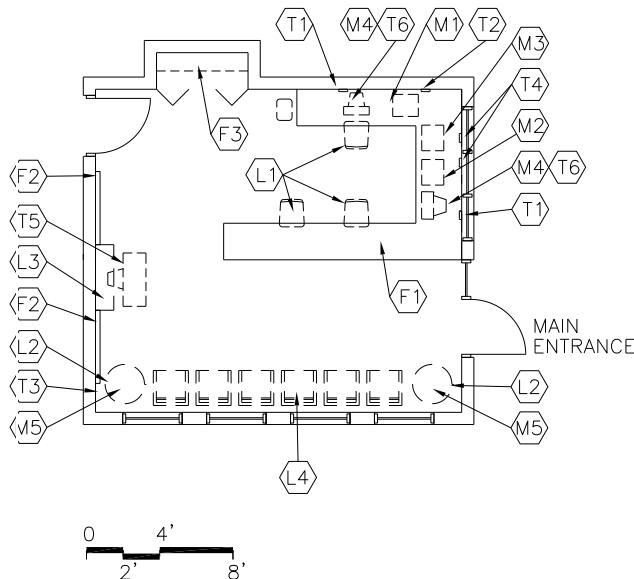
NOTES:

Finishes/Features: Refer to Chapter 8 for specification references

ADMINISTRATION

Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Welcome Center	1	300	300	
Security Area w/ storage	1	75	75	
Conference Room	1	200	200	
Principal's Office	1	180	180	
Admin Office	2	120	240	
Administrative Workroom	1	150	150	
Mailroom	1	75	75	
Records Room	1	100	100	Needs to be a secure space.
Parent Resource Center	1	200	200	Near the front door.
Toilet	1	50	50	
Student Services/Counselor	1	150	150	
Health Suite			0	
Office/Waiting	1	100	100	
Treatment Area	1	80	80	
Cots	1	100	100	
Storage	1	25	25	
Toilet	1	50	50	
Book Room	1	400	400	
Extended Day Office/Storage	1	250	250	
Staff Lounge	1	350	350	Includes staff toilet with shower.
Total			3075	



WELCOME CENTER**E-AD-1****CAPACITY:**

- Administrative assistants
- Visitors/parents
- Students

SIZE:

- Varies, see table

ANCILLARY SPACES:

N/A

GOAL:

- To provide a space designed to help students and the public feel welcome and to provide easily accessed information

PROGRAM ACTIVITIES:

- Greeting visitors
- Waiting for students or staff
- Student waiting/pick up area
- Workstation for administrative assistant
Computer at workstation should be able to view security cameras

SPATIAL RELATIONSHIPS:

- Located inside the main Administrative Area
- Centrally located to Administrative Area
- Near public restrooms
- Maximize view to the exterior and main entry
- Digital screen outside welcome center for announcements, etc.

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting, areas of soft lighting
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Adequate ventilation
- Electrical outlets for equipment
- Administrative area should be mechanically zoned for year round use.
- Windows to provide natural light

NOTES:

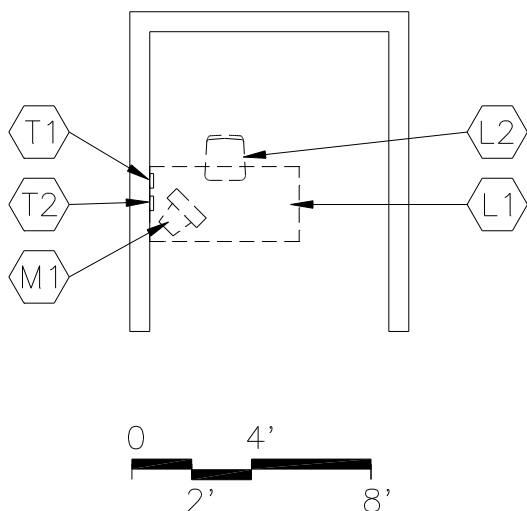
1. Loose furnishings and features shown represent one of many possible arrangements.

WELCOME CENTER

<u>Finishes¹:</u>	Spec. Ref.#	<u>Features¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Equipment:</u>	
Tile	096813	F1 Finish carpentry Reception counter	064123
<u>Base:</u>		F2 Tack board (8 LF)	101100
Resilient base	096519	F3 Closet shelving	064123
<u>Ceiling (8' high minimum):</u>		<u>Fire Suppression:</u>	Div. 21
Suspended, acoustical	095113	Fire suppression system	
<u>Walls:</u>		<u>Plumbing:</u>	
Painted gypsum wallboard over metal studs	092116 / 099123	N/A	
<u>Loose Furnishings:</u>		<u>HVAC:</u> Div. 23	
L1 2 ergonomic task chairs		Supply/return air system	
L4 4-6 guest chairs		Independent temperature control	
<u>Miscellaneous:</u> (by owner)		<u>Electrical:</u>	Div. 26
M1 Fax		Duplex receptacles TVSS protected quad receptacle adjacent to each data port	
M2 printer		Single-level switching	
M4 2 computers		Fluorescent lighting	
M5 Table lamps		Illumination level: See Table 7600-16	
		Central sound system	
		<u>Communications:</u>	Div. 27
		T1 2 voice port and phone at workstations	
		T2 Fax port	
		T3 Voice port and phone at waiting area	
		T4 data ports for printer	
		T6 Data port near each workstation	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

SECURITY AREA**E-AD-2****CAPACITY:**

- Security officer

SIZE:

- Varies, see table

ANCILLARY SPACES:

N/A

GOAL:

- To serve as a check-in and checkpoint for non-school visitors

PROGRAM ACTIVITIES:

- Check-in/out visitors
- Monitor main entrance to school
- Workstation for security office

SPATIAL RELATIONSHIPS:

- Adjacent to main entry

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35

NOTES:

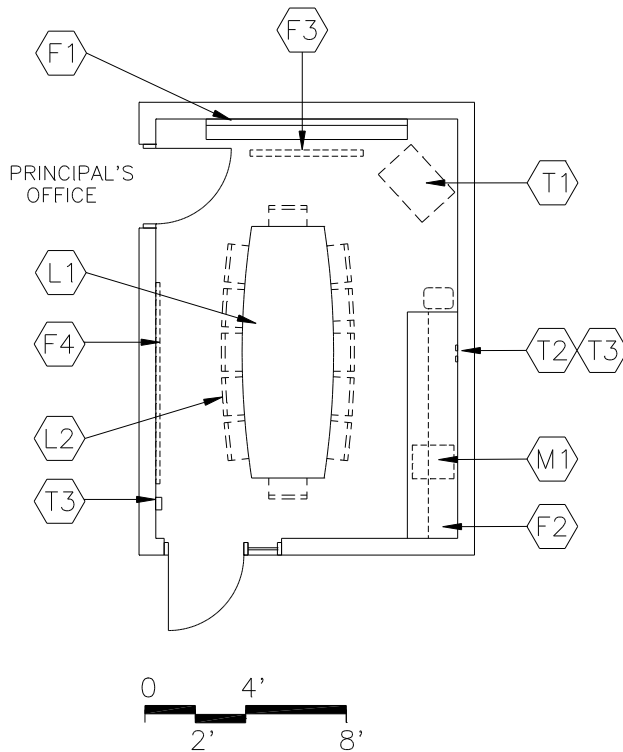
2. Loose furnishings and features shown represent one of many possible arrangements.

SECURITY AREA

		Spec. Ref.#			Spec. Ref.#
<u>Finishes¹:</u>			<u>Features¹:</u>		
Flooring:			Fixed Equipment:		
Resilient tile flooring		096519	N/A		
Base:			<u>Fire Suppression:</u>		Div. 21
Resilient base		096519	Fire suppression system		
Ceiling (8' high minimum):			<u>Plumbing:</u> Div. 22		
Suspended, acoustical		095113	Fire protection system		
Walls:			<u>HVAC:</u> Div. 23		
Painted concrete masonry units		042000 / 099123	Supply/return air system		
<u>Loose Furnishings:</u>			Independent temperature control		
L1	Admin workstation		<u>Electrical:</u> Div. 26		
L2	Ergonomic task chair		Duplex receptacles		
			TVSS protected quad receptacle		
			adjacent to each data and video port		
			Multilevel switching		
			Fluorescent lighting		
			Illumination level: See Table 7600-16		
			Clock		
			Central sound system		
			<u>Communications:</u>		Div. 27
			T1 Voice port and phone		
			T2 Data port		
			<u>Electronic Safety and Security:</u>		Div. 28
			Life safety devices per code		
			<u>Miscellaneous:</u> (by owner)		
			M1 Computer		

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

CONFERENCE ROOM**E-AD-3****CAPACITY:**

- Staff
- Students
- Parents
- Visitors

SIZE:

- 200 SF

ANCILLARY SPACES:

- Principal's Office (E-AD-4)

GOAL:

- To provide a place for administrative conferences or meetings

PROGRAM ACTIVITIES:

- Conferences with staff, students, parents, and visitors

SPATIAL RELATIONSHIPS:

- Near Welcome Center
- Centrally located within Administrative Area
- Adjacent and access to Principal's Office

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting, appropriate to task
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 40
- Electrical outlets for equipment
- Windows to provide natural light, desirable
- Auditory privacy

NOTES:

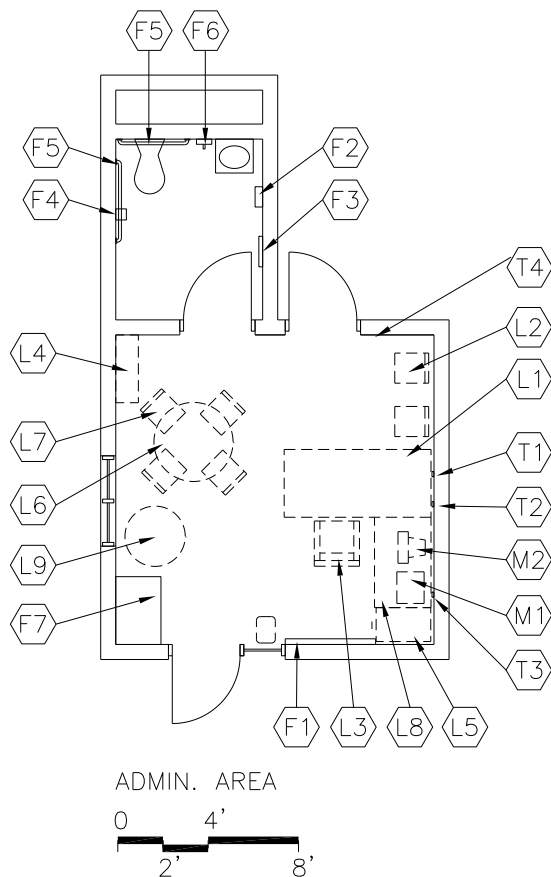
1. Loose furnishings and features shown represent one of many possible arrangements.

CONFERENCE ROOM**E-AD-3**

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		Fixed Equipment:	
Tile	096813	F1 Marker board (8 LF)	101100
		F2 Casework:	
Base:		Base/wall cabinets (6 LF)	123200
Resilient base	096519	F3 Manual projection screen	115213
		F4 Tack board (8 LF)	101100
Ceiling (8' high minimum):		<u>Fire Suppression:</u>	Div. 21
Suspended, acoustical	095113	Fire suppression system	
Walls:		<u>Plumbing:</u>	
Painted gypsum wallboard		N/A	
over metal studs	092116 / 099123		
<u>Loose Furnishings:</u>		<u>HVAC:</u>	Div. 23
L1 Conference table (with table		Supply/return air system	
technology installations (VGA jacks, data		Independent temperature	
outlets, power outlets, etc.)		control	
Digital monitor			
L2 12 chairs		<u>Electrical:</u>	Div. 26
		Duplex receptacles	
		TVSS protected quad receptacle	
		adjacent to each data and	
		video port	
		Multilevel switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		<u>Communications:</u>	Div. 27
		T1 Video port, monitor	
		and bracket	
		T2 Voice port and phone	
		T3 2 data ports	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous: (by owner)</u>	
		M1 Under counter refrigerator	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

PRINCIPAL'S OFFICE**E-AD-4****CAPACITY:**

- Principal

SIZE:

- 180 SF

ANCILLARY SPACES:

- Conference Room (E-AD-3)

GOAL:

- To provide an office for the principal to give instructional leadership in a personal and organized environment for students, staff, and community

PROGRAM ACTIVITIES:

- Conferences with students, parents, teachers, staff, and visitors
- Curriculum development
- Research and planning
- Telephone communications
- Dealing with personnel issues
- Coordination of school and support services

SPATIAL RELATIONSHIPS:

- Near main entry
- Near administrative assistant
- Adjacent and access to Conference Room

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting, appropriate to task
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Windows to provide natural light
- One area should be especially child-scaled and friendly for working with individual children
- Auditory privacy
- Back door to secondary corridor, desirable

NOTES:

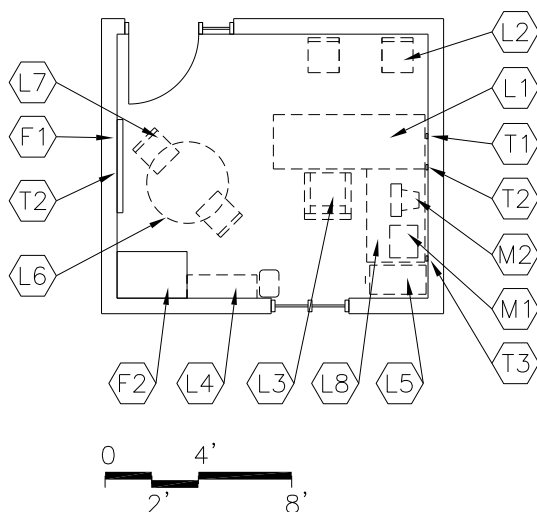
1. Loose furnishings and features shown represent one of many possible arrangements.

PRINCIPAL'S OFFICE

<u>Finishes¹:</u>	Spec. <u>Ref.#</u>	<u>Features¹:</u>	Spec. <u>Ref.#</u>
<u>Flooring:</u>		<u>Fixed Equipment:</u>	
Tile carpet	096813	F1 Tack board (4 LF)	101100
<u>Base:</u>		F2 Towel dispenser	102800
Resilient	096519	F3 24" x 60" mirror	102800
<u>Ceiling (8' high minimum):</u>		F4 Toilet tissue holder	102800
Suspended, acoustical	095113	F5 36" and 42" grab bars	102800
<u>Walls:</u>		F6 Soap dispenser	102800
Painted gypsum wallboard over metal studs	092116 / 099123	Wall mounted coat rack/shelf	
<u>Loose Furnishings:</u>		<u>Fire Suppression:</u>	Div. 21
L1 Desk		Fire suppression system	
L3 Ergonomic task chair		<u>HVAC:</u>	Div. 23
L4 Adjustable height bookshelves (12 LF)		Supply/return air system	
L5 Four-drawer file cabinet		Independent temperature control	
L6 Conference table		<u>Electrical:</u>	Div. 26
L7 4-6 chairs		Duplex receptacles	
<u>Miscellaneous: (by owner)</u>		2 outlets per wall minimum	
M1 Printer		TVSS protected quad receptacle	
M2 Computer		adjacent to each data and video port	
		Single-level switching	
		Fluorescent lighting	
		Central sound system	
		<u>Communications:</u>	Div. 27
		T1 Voice port and phone	
		T2 Data port near workstation	
		Cable drop for input/output	
		T3 Data port for printer	
		T4	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

ASSISTANT PRINCIPAL'S OFFICE**E-AD-5****CAPACITY:**

- Assistant Principal

SIZE:

- 120 SF

ANCILLARY SPACES:

N/A

GOAL:

- To provide an office for the assistant principal to perform administrative functions

PROGRAM ACTIVITIES:

- Conferences with parents
- Student interaction
- Conferences with individual teachers or small groups
- Telephone communications (private)
- Research and planning
- Coordination of school and support services

SPATIAL RELATIONSHIPS:

- May be located near Academic Core for supervision
- May be located near administration suite

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Windows to provide natural light
- Auditory privacy

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

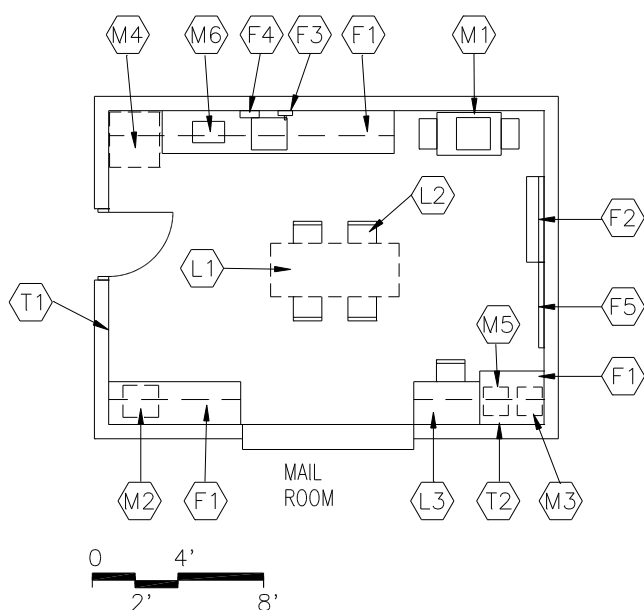
ASSISTANT PRINCIPAL'S OFFICE

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		Fixed Equipment:	
Tile carpet	096813	F1 Tack board (4 LF)	101100
Base:		F2 Casework:	
Resilient base	096519	Wardrobe	103200
Ceiling (8' high minimum):		<u>Fire Suppression:</u>	Div. 21
Suspended, acoustical	095113	Fire suppression system	
Walls:		<u>Plumbing:</u>	
Painted gypsum wallboard over metal studs	092116 / 099123	N/A	
<u>Loose Furnishings:</u>		<u>HVAC:</u>	Div. 23
L1 Admin workstation		Supply/return air system	
L2 2 visitor chairs		Independent temperature control	
L3 Ergonomic task chair		<u>Electrical:</u>	Div. 26
L4 Adjustable height bookshelves (12 LF)		Duplex receptacles 2-Outlets per wall minimum TVSS protected quad receptacle adjacent to data and video port Single-level switching Fluorescent lighting Illumination level: See Table 7600-16 Central sound system	
L5 Four-drawer file cabinet		<u>Communications:</u>	Div. 27
L6 Round table		T1 Voice port and phone T2 2 data ports T3 Data port for printer	
		<u>Electronic Safety and Security:</u> Life safety devices per code	Div. 28
		<u>Miscellaneous:</u> (by owner)	
		M1 Printer	
		M2 Computer	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

ADMINISTRATIVE WORKROOM E-AD-7

**CAPACITY:**

- Secretaries and Administrators
- Volunteers
- Staff

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Mail Room (E-AD-8)

GOAL:

- To provide an area for office production activities

PROGRAM ACTIVITIES:

- Copying
- Collating
- Sorting of files
- Preparing communications for mailing
- Binding reports
- Telephone communications

SPATIAL RELATIONSHIPS:

- Near Welcome Center
- Adjacent to Mail Room

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting, appropriate to task
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
- Adequate ventilation
- Electrical outlets for equipment
- Organize for efficient work flow and sufficient clearance for several people to work at one time

NOTES:

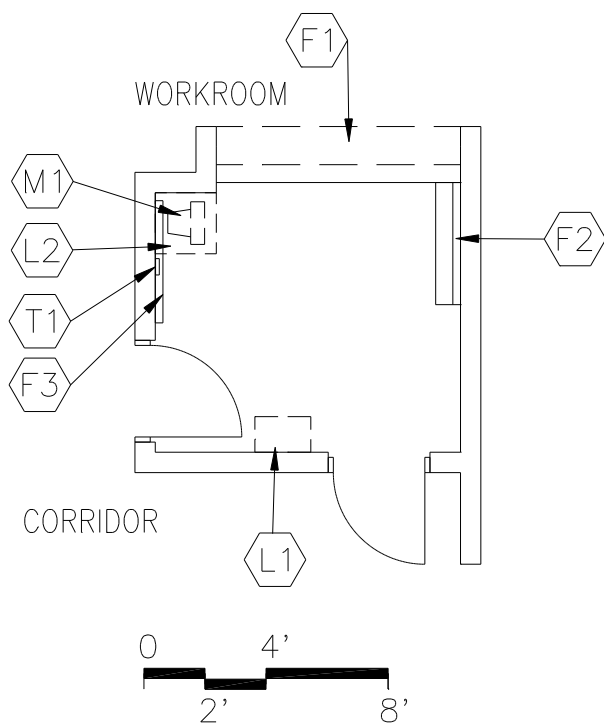
1. Loose furnishings and features shown represent one of many possible arrangements.

ADMINISTRATIVE WORKROOM

<u>Finishes¹:</u>		<u>Features¹:</u>	
	Spec. Ref.#		Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Equipment:</u>	
Tile carpet	096813	F1 Casework:	123200
		Base/wall cabinets and shelving	
<u>Base:</u>		F2 Marker board (4 LF)	101100
Resilient base	096519	F3 Soap dispenser	102800
		F4 Towel dispenser	102800
<u>Ceiling (8' high minimum):</u>		F5 Tack board (4 LF)	101100
Suspended, acoustical	095113		
<u>Walls:</u>		<u>Fire Suppression:</u>	Div. 21
Painted gypsum wallboard		Fire suppression system	
over metal studs	092116 / 099123		
<u>Loose Furnishings:</u>		<u>Plumbing: (optional)</u>	Div. 22
L1 Work table		Plumbing connections	
L2 4 chairs; task chair		Hook-up for refrigerator ice maker,	
L3 Computer workstation		sink, single/deep bowl	
<u>Miscellaneous: (by owner)</u>		<u>HVAC:</u>	Div. 23
M1 Copier		Supply/return air system	
M2 Paper cutter		Independent temperature	
M3 Laminating machine		control	
M4 Refrigerator with ice maker			
M5 Color printer		<u>Electrical:</u>	Div. 26
M6 Microwave		Duplex receptacles	
		Raceway above countertop	
		TVSS protected quad receptacle	
		adjacent to each data port	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Dedicated receptacle for copier	
		Clock	
		Central sound system	
		<u>Communications:</u>	Div. 27
		T1 Voice ports and phones	
		T2 Data port for printer	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

MAILROOM**E-AD-8****CAPACITY:**

- Staff
- Faculty

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Administrative Workroom (E-AD-7)

GOAL:

- To provide an area to disseminate mail to staff members

PROGRAM ACTIVITIES:

- Delivery of general mail
- Sign in/out location

SPATIAL RELATIONSHIPS:

- Adjacent to Administrative Workroom
- Located in Administrative Area
- Accessible from main corridor

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Separate entry/exit doors

NOTES:

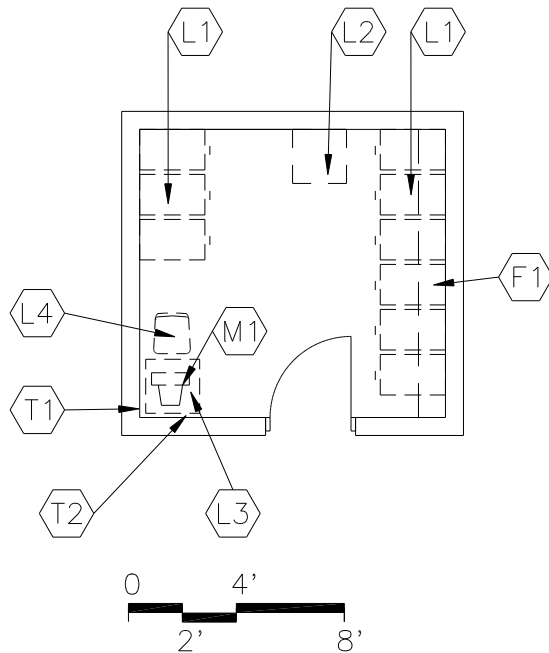
1. Loose furnishings and features shown represent one of many possible arrangements. The mail cubicles can be either on the wall or through the wall, verify with each school for their preference.

**MAILROOM
E-AD-8**

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u> Flooring:		<u>Features¹:</u> Fixed Equipment:	
Tile carpet	096813	F1 Casework:	123200
		Mail slots	
Base:		12" wide x 6" high x 15" deep	
Resilient base	096519	(65, 80, 95 total slots) pass-through	
		cabinets below	
Ceiling (8' high minimum):		F2 Marker board (4 LF)	101100
Suspended, acoustical	095113	F3 Tack board (4 LF)	101100
Walls:			
Painted gypsum wallboard		<u>Fire Suppression:</u>	Div. 21
over metal studs	092116 / 099123	Fire suppression system	
<u>Loose Furnishings:</u> (optional)			
L2 Computer table (standing height)		<u>Plumbing:</u>	
		N/A	
		<u>HVAC:</u>	Div. 23
		Supply/return air system	
		<u>Electrical:</u>	Div. 26
		Duplex receptacles	
		TVSS protected quad receptacle	
		adjacent to each data port	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		<u>Communications²:</u>	Div. 27
		T1 Data port	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

RECORDS ROOM**E-AD-9****GOAL:**

- To provide secure, fireproof, and adequate storage for money, records, and other valuable items

PROGRAM ACTIVITIES:

- Storing of money and other valuable items
- Storage of files and records
- Accessible to administration staff

SPATIAL RELATIONSHIPS:

- Near Data Entry Office

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Security of door

CAPACITY:

- Secretaries
- Staff

SIZE:

- Varies, see table

ANCILLARY SPACES:

N/A

NOTES:

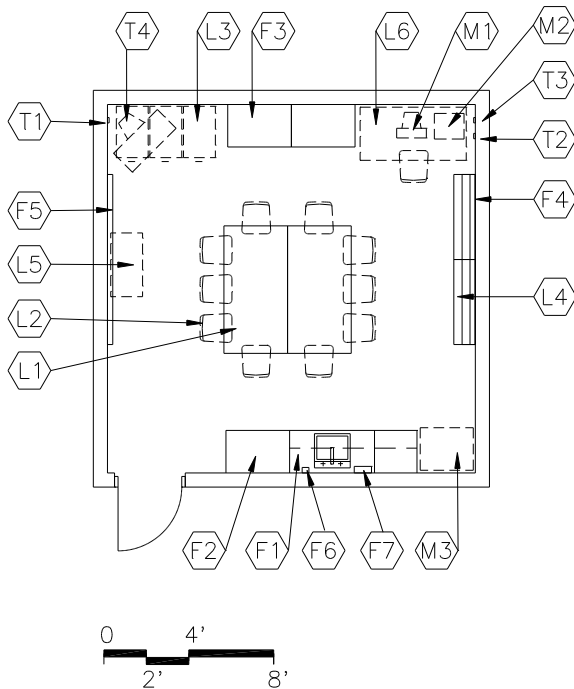
1. Loose furnishings and features shown represent one of many possible arrangements.

RECORDS ROOM

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
<u>Flooring:</u>		<u>Fixed Equipment:</u>	
Tile carpet	096813	F1 Casework:	
		Wall shelving	123200
<u>Base:</u>		<u>Fire Suppression:</u>	Div. 21
Resilient base	096519	Fire suppression system	
<u>Ceiling (8' high minimum)</u>			
Suspended, acoustical	095113		
<u>Walls:</u>		<u>Plumbing:</u>	
Painted concrete masonry units 042000 / 099123		N/A	
<u>Loose Furnishings:</u>		<u>HVAC:</u>	Div. 23
L1 8-10, four-drawer file cabinets (fireproof)		Exhaust air system	
L2 Small safe			
L3 Small table		<u>Electrical:</u>	Div. 26
L4 Chair		Duplex receptacles TVSS protected quad receptacle adjacent to each data port Single-level switching Fluorescent lighting Illumination level: See Table 7600-16	
		<u>Communications:</u>	Div. 27
		T1 Voice port and phone	
		T2 Data port	
		<u>Electronic Safety and Security:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

PARENT RESOURCE CENTER**E-AD-10****CAPACITY:**

- Parents
- PTO/PTA members
- Volunteers

SIZE:

- Varies, see table

ANCILLARY SPACES:

N/A

GOALS:

- To provide a place for parents to meet and work when they volunteer at school
- To provide a place for parents to store their personal belongings
- To provide space for parents to check-out and use parenting sources

PROGRAM ACTIVITIES:

- Small group meetings
- Work area
- Storage for personal items
- Storage of fundraising materials (PTO/PTA)
- Parent training

SPATIAL RELATIONSHIPS:

- Near Welcome Center
- Near Lobby Entrance
- Near Public Restrooms

ENVIRONMENTAL CONSIDERATIONS:

- Electrical outlets for equipment
- Lighting appropriate to task
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35

NOTES:

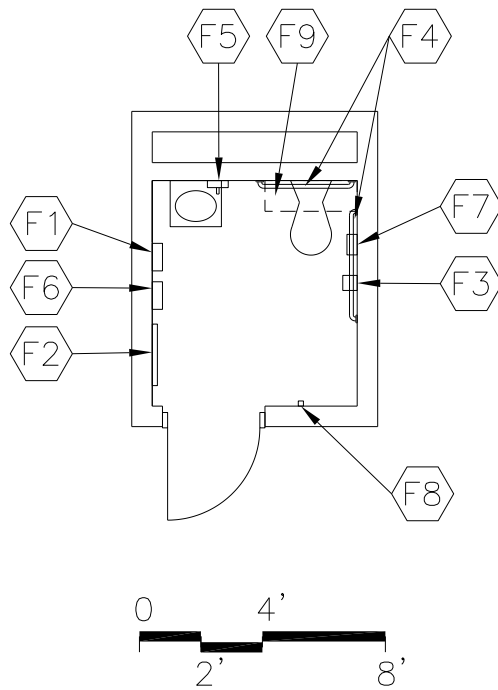
1. Loose furnishings and features shown represent one of many possible arrangements.

PARENT RESOURCE CENTER

<u>Finishes¹:</u>	Spec. Ref.#	<u>Features¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Equipment:</u>	
Tile carpet	096813	F1 Casework:	123200
		Base/wall cabinets	
<u>Base:</u>		F2 Casework	
Resilient base	096519	Wardrobe cabinet	123200
<u>Ceiling (8' high minimum):</u>		F3 Casework:	
Suspended, acoustical	095113	Storage cabinets	123200
<u>Walls:</u>		F4 Marker board (8 LF)	101100
Painted concrete masonry units		F5 Tack board (8 LF)	101100
042000 / 099123		F6 Soap dispenser	102800
		F7 Towel dispenser	102800
<u>Loose Furnishings:</u>		<u>Fire Suppression:</u>	Div. 21
L1 2 tables (36" x 72")		Fire suppression system	
L2 10 chairs		<u>Plumbing:</u> (optional)	Div. 22
L3 Four-drawer file cabinet		Plumbing connections	
L4 Adjustable height bookshelves (20 LF)		Sink, single/deep bowl	
L6 Computer workstation		Hook-up for ice maker	
<u>Miscellaneous:</u> (by owner)		<u>HVAC:</u>	Div. 23
M1 Computer		Supply/return air system	
M2 Printer		Independent temperature	
M3 Refrigerator with ice maker		control	
<u>Communications:</u>	Div. 27	<u>Electrical:</u>	Div. 26
T2 Voice port and phone		Duplex receptacles	
T3 Data port		TVSS protected quad receptacle	
		adjacent to each data and	
		video port	
		Multilevel switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Clock	
<u>Electronic Safety and Security:</u>	Div. 28	Central sound system	
Life safety devices per code			

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

STAFF TOILET**E-AD-11****CAPACITY:**

- Staff

SIZE:

- 50 SF

ANCILLARY SPACES:

N/A

PROGRAM ACTIVITIES:

- Personal and health needs for administrative staff
- Changing clothing

SPATIAL RELATIONSHIPS:

- Near Welcome Center

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Moisture- and stain- resistant finishes
- Adequate exhaust/ventilation

NOTES:

1. Extend walls above ceiling to deck above for security and acoustical reasons.
2. Provide staff restrooms for both men and women.
3. Each pair of staff restrooms should be distributed throughout the building at appropriate locations.

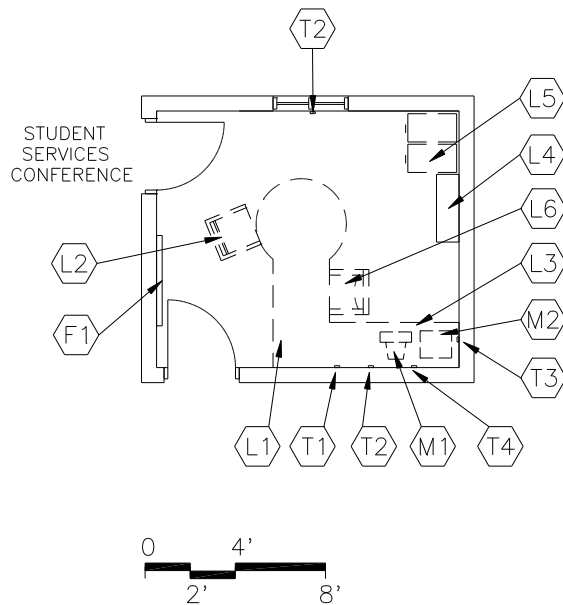
**STAFF TOILET
E-AD-11**

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Ceramic tile	093000	F1 Towel dispenser	102800
		F2 24" x 60" mirror	102800
Base:		F3 Toilet tissue holder	102800
Ceramic mosaic tile base	093013	F4 36" and 42" grab bars	102800
Resilient	096519	F5 Soap dispenser	102800
		F6 Sanitary dispenser	102800
Ceiling:		F7 Sanitary disposal	102800
Suspended, acoustical	095113	F8 Coat hook	102800
		F9 Casework:	
Walls:		Wall cabinet	103200
Painted concrete masonry units			
042000 / 099123		<u>Fire Suppression:</u>	Div. 21
		Fire suppression system	
		<u>Plumbing:</u> Div. 22	
		Wall-mounted water closet	
		Wall-mounted lavatory	
		Plumbing connections	
		Floor drain	
		<u>HVAC:</u> Div. 23	
		Exhaust air system	
		Supplemental heat as required	
		<u>Electrical:</u> Div. 26	
		Duplex receptacles	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Fire alarm devices per code	
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

COUNSELOR'S OFFICE E-AD-12

**CAPACITY:**

- Counselor
- Intern
- Psychologist
- Social worker
- Reading resource
- Math resource
- Science resource
- ESL

SIZE:

- 150 SF

ANCILLARY SPACES:

- Student Service Conference Room (E-AD-13)

GOAL:

- To provide counseling and other student support services in a professional environment that is easily accessible to students, staff, parents, and the community

PROGRAM ACTIVITIES:

- Counseling for students and parents
- Administrative paperwork
- Enrollment and orientation of new students

SPATIAL RELATIONSHIPS:

- Near Student Services Conference Room
- Near Welcome Center
- Adjacent and access to Student Services Conference Room

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting, appropriate to task
- Environmental sound control:
 - Walls minimum: STC 45
 - Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Windows to provide natural light

NOTES

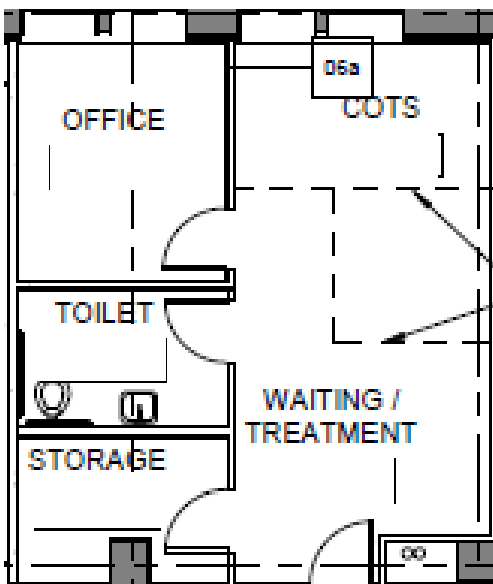
1. Loose furnishings and features shown represent one of many possible arrangements.

COUNSELOR'S OFFICE

Finishes ¹ :	Spec. Ref.#	Features ¹ :	Spec. Ref.#
Flooring:		Fixed Equipment:	
Tile carpet	096813	F1 Tack board (4 LF)	101100
Base:		Fire Suppression:	Div. 21
Resilient base	096519	Fire suppression system	
Ceiling (8' high minimum):		Plumbing:	
Suspended, acoustical	095113	N/A	
Walls:		HVAC:	Div. 23
Painted gypsum wallboard		Supply/return air system	
over metal studs	092116 / 099123	Independent temperature control	
Loose Furnishings:		Electrical:	Div. 26
L1 Admin workstation		Duplex receptacles	
L2 Visitor chair		TVSS protected quad receptacle	
L3 Computer desk return		adjacent to each data and	
L4 Adjustable height bookshelves (12 LF)		video port	
L5 2, four-drawer file cabinets		Single-level switching	
L6 Ergonomic task chair		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Central sound system	
		Communications:	Div. 27
		T1 Voice port and phone	
		T2 2 data ports	
		T3 Data port for printer	
		T4	
		Electronic Safety and Security:	Div. 28
		Life safety devices per code	
		Miscellaneous: (by owner)	
		M1 Computer	
		M2 Printer	

NOTES:

Finishes/Features: Refer to Chapter 8 for specification references.

WAITING/TREATMENT AREA (HEALTH SUITE)**E-AD-16****CAPACITY:**

- 1 staff member/volunteer/nurse
- Students

SIZE:

- 150 SF

ANCILLARY SPACES:

- Office (E-AD-15)
- Cots
- Storage

GOAL:

- To provide school-based health services

PROGRAM ACTIVITIES:

- First aid
- Consultation with students
- Health screening
- Medical treatments
- Medication administration
- Student resting while awaiting pick-up by parent or guardian

ENVIRONMENTAL CONSIDERATIONS:

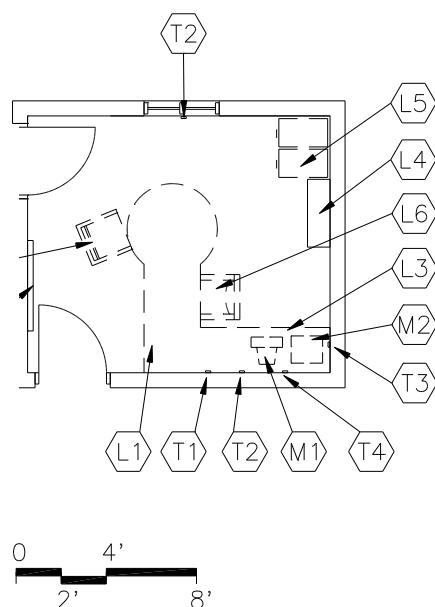
- Uniform lighting
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
- Stain-resistant floor covering
- Sink with hot and cold water
- Adequate ventilation
- Electrical outlets for equipment
- Locate away from rooms with copiers, interferes with hearing screening
- Auditory and visual privacy
- Visual control to Office/Waiting or Welcome Center

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

WAITING/TREATMENT AREA (HEALTH SUITE)**E-AD-16**

	<u>Spec. Ref.#</u>		<u>Spec. Ref.#</u>
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Resilient tile flooring	096519	F1 Casework:	
		Base/wall cabinets	123200
		Place for refrigerator	
Base:		F2 Casework:	
Resilient base	096519	Tall storage	123200
Ceiling (8' high minimum):		F3 Cubicle curtain	102123
Suspended, acoustical	095113	F4 Soap dispenser	102800
		F5 Towel dispenser	102800
Walls:		Tackboard	
Painted gypsum wallboard			
over metal studs	092116 / 099123	<u>Fire Suppression:</u>	Div. 21
		Fire suppression system	
<u>Loose Furnishings:</u>		<u>Plumbing:</u> Div. 22	
2-3 Chairs		Plumbing connections	
Side table		Single sink w/hands-free gooseneck	
Mobile exam table			
Stool		<u>HVAC:</u> Div. 23	
		Supply/return air system	
		<u>Electrical:</u> Div. 26	
		Duplex receptacles	
		TVSS protected quad receptacle	
		adjacent to each data port	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		<u>Communications:</u>	Div. 27
		T1 Voice port and phone	
		T2 Data port	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

OFFICE AREA - Health Suite**E-AD-15****CAPACITY:**

- Staff
- Students
- Parents
- Visitors

SIZE:

- 100 SF

ANCILLARY SPACES:

- Treatment Area (E-AD-16)
- Storage (E-AD-18)

GOAL:

- Administrative and meeting area for health

PROGRAM ACTIVITIES:

- Meeting area for students parent or guardian
- Administrative activities by school nurse
- Private conversations

SPATIAL RELATIONSHIPS:

- Adjacent and access to Treatment Area
- Adjacent and access to Storage

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
Wall minimum: STC 40
Ceiling minimum: CAC 35
- Visual control to Welcome Center or corridor
- Visual and auditory privacy

NOTES:

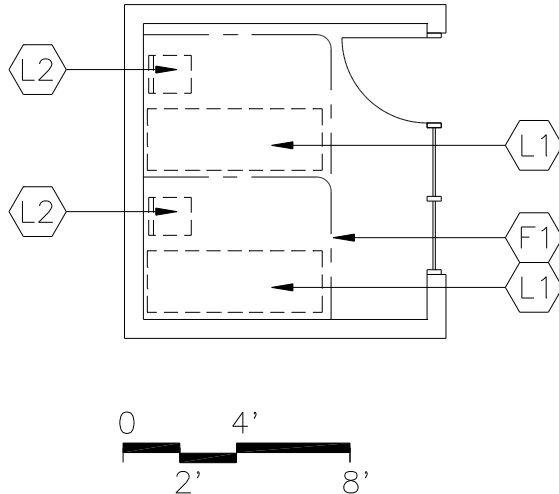
1. Loose furnishings and features shown represent one of many possible arrangements.

OFFICE AREA - Health Suite**E-AD-15**

	Spec. Ref.#	Features ¹ :	Spec. Ref.#
<u>Finishes¹:</u>		<u>Fixed Equipment:</u>	
Flooring:		F1 Tack board (4 LF)	101100
Resilient tile flooring	096519		
Base:		<u>Fire Suppression:</u>	Div. 21
Resilient base	096519	Fire suppression system	
Ceiling (8' high minimum):		<u>Plumbing:</u>	
Suspended, acoustical	095113	N/A	
Walls:		<u>HVAC:</u>	Div. 23
Painted gypsum wallboard		Supply/return air system	
over metal studs	092116 / 099123		
<u>Loose Furnishings:</u>		<u>Electrical:</u>	Div. 26
L1 Admin workstation		Duplex receptacles	
L2 Ergonomic chair		2 outlets per wall, minimum	
L3 1-2 visitor chairs		TVSS protected quad receptacle	
File cabinet		adjacent to each data port	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		<u>Communications:</u>	Div. 27
		T1 Voice port and phone	
		2 Data port for printer	
		T3 Data port near workstation	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

COTS**Health Suite****CAPACITY:**

- Staff
- Students

SIZE:

- 100 SF

ANCILLARY SPACES:

N/A

GOAL:

- To provide a place for students and staff to lie down when feeling ill

PROGRAM ACTIVITIES:

- A resting place for students and staff when feeling ill

SPATIAL RELATIONSHIPS:

- Located within Health Suite
- Near welcome center

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting/dimmable lighting
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
- Stain-resistant floor covering
- Adequate ventilation
- Auditory and visual privacy
- Visual control from Office/Waiting or Welcome Center

NOTES:

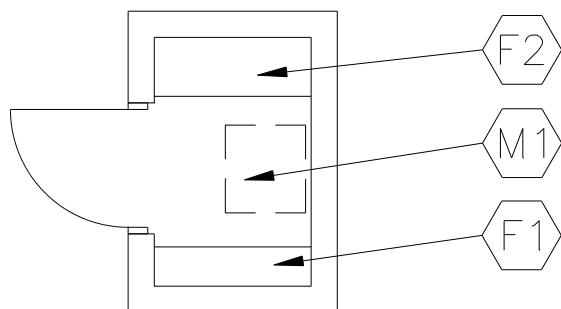
1. Loose furnishings and features shown represent one of many possible arrangements.

COTS

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
<u>Flooring:</u>		<u>Fixed Equipment:</u>	
Resilient tile flooring	096519	F1 Cubicle curtains	102123
<u>Base:</u>		<u>Fire Suppression:</u>	Div. 21
Resilient base	096519	Fire suppression system	
<u>Ceiling (8' high minimum):</u>		<u>Plumbing:</u>	
Suspended, acoustical	095113	N/A	
<u>Walls:</u>		<u>HVAC:</u> Div. 23	
Painted gypsum wallboard over metal studs	092116 / 099123	Supply/return air system	
<u>Loose Furnishings:</u>		<u>Electrical:</u> Div. 26	
L1 2 cots		Duplex receptacles	
L2 2 chairs		Single-level switching	
		Fluorescent lighting with dimmer	
		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

Finishes/Features: Refer to Chapter 8 for specification references.

STORAGE**CAPACITY:**

- Staff

SIZE:

- 25 SF

ANCILLARY SPACES:

- Office/Waiting Area (E-AD-15)

GOAL:

- To provide storage for medical supplies and equipment

PROGRAM ACTIVITIES:

- Storing chemicals, equipment, and supplies

SPATIAL RELATIONSHIPS:

- Adjacent and access to Office/Waiting

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Security of equipment, supplies, and medicines
- Security of door

NOTES:

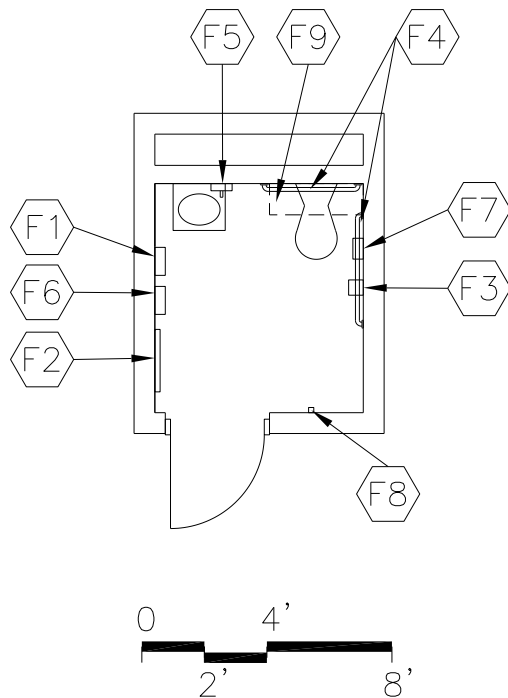
1. Loose furnishings and features shown represent one of many possible arrangements.

STORAGE
Health Suite

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Resilient tile flooring	096519	F1 Storage shelving:	105613
		12" deep	
Base:		F2 Storage shelving:	105613
Resilient base	096519	18" deep	
Ceiling (8' high minimum):		<u>Fire Suppression:</u>	Div. 21
Cleanable, suspended, acoustical	095113	Fire suppression system	
Walls:		<u>Plumbing:</u> Div. 22	
Painted concrete masonry units	042000 / 099123	Fire protection system	
		Plumbing connections	
<u>Loose Furnishings:</u>		Hook-up for ice maker	
N/A			
Note: Refrigerator may be in the office area		<u>HVAC:</u> Div. 23	
		Supply/return air system	
		<u>Electrical:</u> Div. 26	
		Duplex receptacles	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		M1 Refrigerator (lockable) with ice maker	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

**TOILET
E-AD-19****CAPACITY:**

- Students
- Staff

SIZE:

- 50 SF

ANCILLARY SPACES:

N/A

PROGRAM ACTIVITIES:

- Personal and health needs for the health suite
- Changing clothing

SPATIAL RELATIONSHIPS:

- Located within Health Suite

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Moisture- and stain-resistant finishes
- Adequate exhaust/ventilation

NOTES:

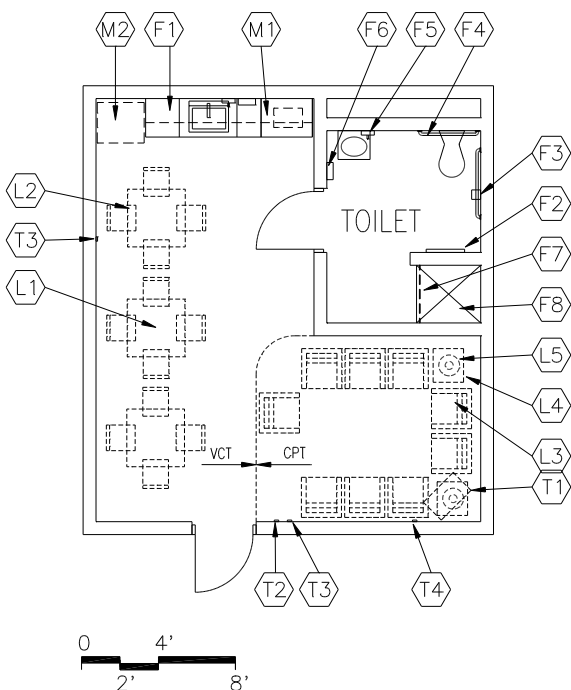
1. Loose furnishings and features shown represent one of many possible arrangements.

TOILET

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Ceramic tile	093000	F1 Towel dispenser	102800
		F2 24" x 60" mirror	102800
		F3 Toilet tissue holder	102800
Base:		F4 36" and 42" grab bars	102800
Ceramic mosaic tile base	093013	F5 Soap dispenser	102800
Resilient base	096519	F6 Sanitary dispenser	102800
		F7 Sanitary disposal	102800
Ceiling:		F8 Coat hook	102800
Suspended, acoustical	095113	F9 Casework:	
		Wall cabinet	103200
Walls:			
Painted concrete masonry units	042000 / 099123	<u>Fire Suppression:</u>	Div. 21
		Fire suppression system	
		<u>Plumbing:</u> Div. 22	
		Wall-mounted water closet	
		Wall-mounted lavatory	
		Plumbing connections	
		Floor drain	
		<u>HVAC:</u> Div. 23	
		Exhaust air system	
		Supplemental heat as required	
		<u>Electrical:</u> Div. 26	
		Duplex receptacles	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Central sound system	
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

**STAFF LOUNGE
E-AD-21****CAPACITY:**

- Staff

SIZE:

- Varies, see table

ANCILLARY SPACES:

N/A

GOAL:

- To provide an area for staff dining and for relaxing

PROGRAM ACTIVITIES:

- Staff dining
- Relaxation

SPATIAL RELATIONSHIPS:

- Near Academic Classrooms
- Access to Main Corridor
- May be divided among floors

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting, appropriate to task
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 40
- Electrical outlet for equipment
- Windows to provide natural light, desirable

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

STAFF LOUNGE

		Spec. Ref.#			Spec. Ref.#
<u>Finishes¹:</u>			<u>Features¹:</u>		
<u>Flooring:</u>			<u>Fixed Equipment:</u>		
Tile carpet		096813	F1 Casework:		
Linoleum		096516	Base/wall cabinets		123200
Shower: Ceramic mosaic tile		093013	F2 24" x 60" mirror		102800
			F3 Toilet tissue dispenser		102800
<u>Base:</u>			F4 36" and 42" grab bars		102800
Resilient base		096519	F5 Soap dispenser		102800
Shower: Ceramic mosaic tile base		093013	F6 Towel dispenser		102800
			F7 Shower curtain with rod		102800
<u>Ceiling (8' high minimum):</u>			F8 ADA shower accessories		102800
Suspended, acoustical		095113			
Shower: Painted portland cement plaster		092400 / 099123	<u>Fire Suppression:</u>		Div. 21
			Fire suppression system		
<u>Walls:</u>					
Painted gypsum wallboard over metal studs		092116 / 099123	<u>Plumbing:</u>		Div. 22
Shower: Ceramic tile		093013	Plumbing connections		
			Wall-mounted lavatory		
			Wall-mounted water closet		
			Floor drains - in restroom and shower		
<u>Loose Furnishings:</u>					
L1 3 square tables			<u>HVAC:</u>		Div. 23
L2 10- 12 chairs			Supply/return air system		
L3 3-5 lounge chairs			Exhaust air system		
L4 2 end tables			Independent temperature control		
L5 2 table lamps					
			<u>Electrical:</u>		Div. 26
<u>Communications:</u>		Div. 27	Duplex receptacles		
T2 Voice port and phone			TVSS protected quad receptacle adjacent to each data and video port		
T3 2 data ports			Multilevel switching		
			Fluorescent lighting		
<u>Miscellaneous: (by owner)</u>			Illumination level: See Table 7600-16		
M1 2 microwaves			Clock		
M2 Refrigerator with ice maker			Central sound system		
			<u>Electronic Safety and Security:</u>		Div. 28
			Life safety devices per code		

NOTES:

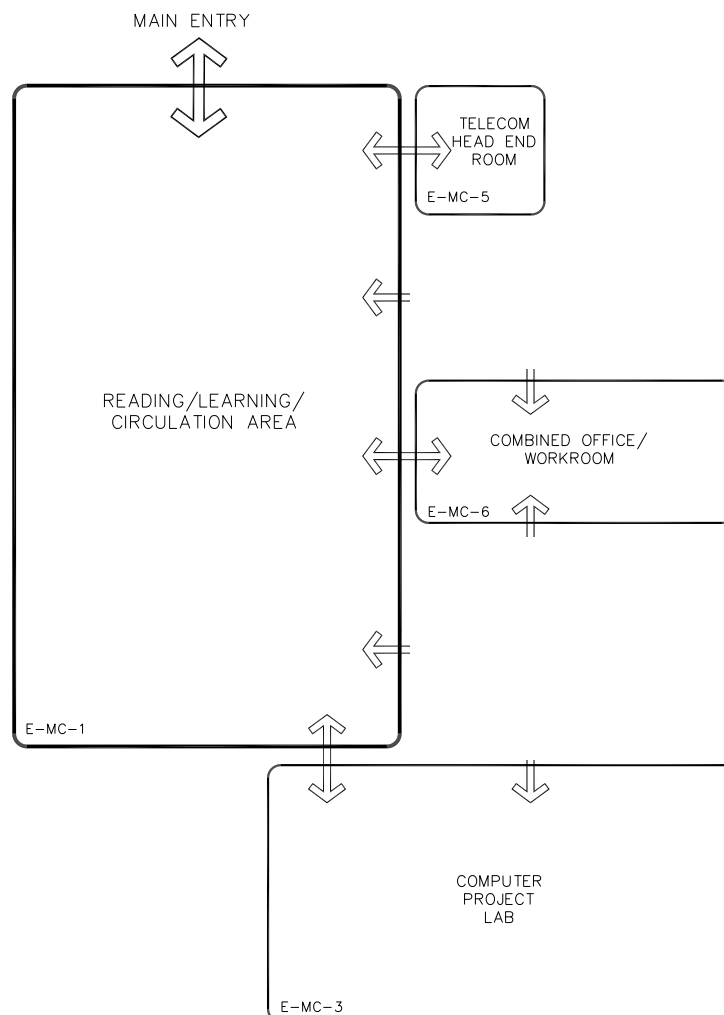
Finishes/Features: Refer to Chapter 8 for specification references.

APENDIX (For Planning Purposes only)

This section outlines the program elements that are anticipated to be outside of the scope of the current Garrison ES project. Many of the spaces outlined below are in the current scope, but at a reduced size or will remain in their existing condition.

MEDIA CENTER

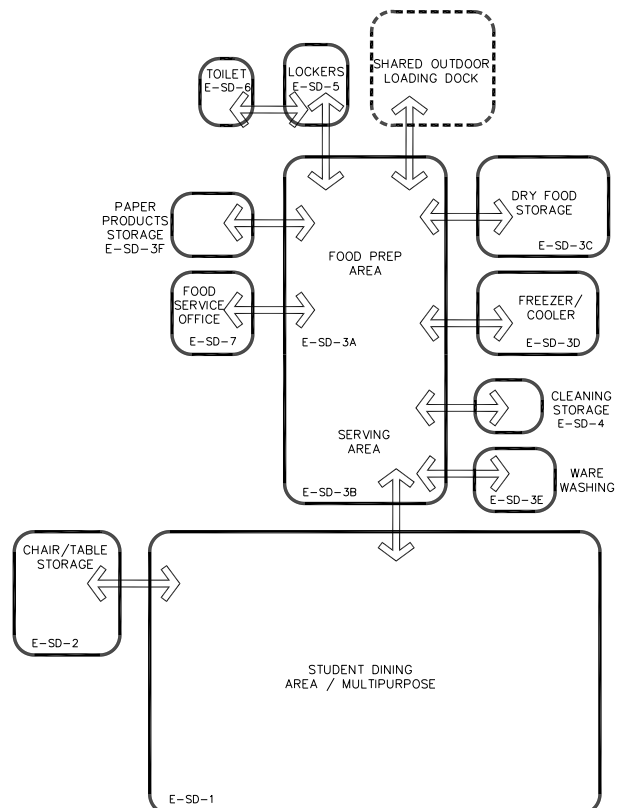
Spaces	Qty.	S.F.	Total	Comments
Reading/Learning/Circulation	1	1,400	1,400	
Computer Lab	1	800	800	Combined with reading room
Office/Workroom/storage	1	250	250	
Conference room	1	150	150	
Telecom Head End Room	1	100	100	
Total			2,700	

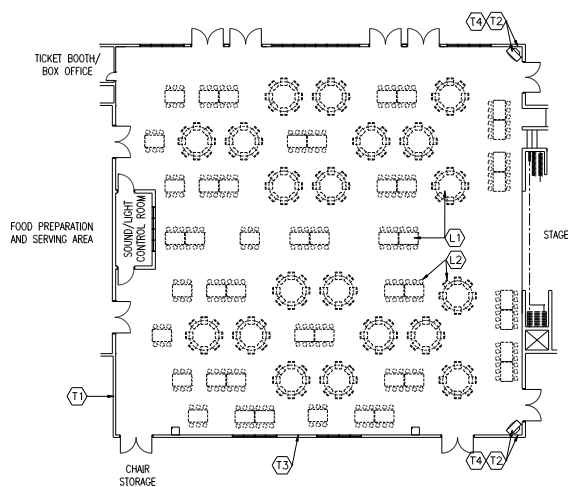


Dinning and Food Services

Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Student Dining Area/Multi-purpose	1	2,000	2,000	
Chair and Table Storage	1	200	200	
Food Prep	1	400	400	
Servery	1	300	300	
Dry Storage	1	150	150	
Freezer & Cooler	1	200	200	
Ware washing	1	100	100	
Paper storage	1	125	125	
Toilet/Lockers	1	75	75	
Cleaning Storage	1	50	50	
Food Service Office	1	100	100	
Stage	1	1000	1000	Or SF as is
Total			4,700	

Comments: The overall total for the Dining and Food Services area may be + or – 15%.



STUDENT DINING AREA / MULTIPURPOSE**SD-1****CAPACITY:**

- 1/3 of students per lunch period
- 1/3 of staff members per lunch
- Community (after hours)

ANCILLARY SPACES

- Chair/Table Storage (SD-2)
- Food Preparation Area (SD-4)

GOALS:

- To provide a pleasant atmosphere for students to eat meals
- To provide a flexible meeting space for groups if needed

PROGRAM ACTIVITIES:

- Student dining
- School and community programs, meetings, and activities

SPATIAL RELATIONSHIPS:

- Adjacent and access to Food Preparation Area
- Adjacent and access to Chair/Table Storage
- Centrally located to office area, gymnasium, classrooms, and media center

ENVIRONMENTAL CONSIDERATIONS:

- Lighting appropriate to tasks
- Adequate ventilation
- Electrical outlets for equipment along perimeter walls and on columns
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
- Higher than normal ceiling height
- Cleanable building surfaces
- Windows to provide ample natural light
- Good sight lines to all areas of the room for supervision
- Window treatment to darken room for AV presentation

Access to drinking fountain

Flush to ground with cover

Cold filtered water

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

STUDENT DINING AREA / MULTIPURPOSE**SD-1**

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
<u>Flooring:</u>		N/A	
Vinyl composition/Quartz tile	09665189		
<u>Base:</u>		<u>Fire Suppression:</u>	Div. 21
Resilient base	096519	Fire suppression system	
<u>Ceiling:</u>		<u>Plumbing:</u> Div. 22	
Suspended, acoustical	095113	Electric water cooler	
<u>Walls:</u>		<u>HVAC:</u> Div. 23	
Painted concrete masonry units 042000 / 099123		Supply/return air system	
Acoustical wall treatment	098400	Independent temperature control	
<u>Loose Furnishings:</u>		Air conditioning	
L1 Tables and seating to accommodate 1/3 of school capacity (266 for lunch)		<u>Electrical:</u> Div. 26	
		Duplex receptacles	
		Vending Machines	
		TVSS protected quad receptacles adjacent to each data and video port	
		Multilevel switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Clock	
		Student dining sound system ²	
		Central sound system	
<u>Miscellaneous:</u>		<u>Communications:</u>	Div. 27
M1 Audio system		T2 4 data ports	
		T3 Voice port and phone	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

CHAIR / TABLE STORAGE**SD-2**

CAPACITY:
N/A

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Student Dining Area/Multipurpose (M-SD-1)

GOAL:

- To provide convenient storage of dining chairs and tables to be used for meetings and performances

PROGRAM ACTIVITY:

- Storage

SPATIAL RELATIONSHIPS:

- Adjacent and access to Student Dining Area/Multipurpose

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Cleanable building surfaces
- Accessibility for moving furniture in and out

CHAIR / TABLE STORAGE**SD-2**

	<u>Spec. Ref.#</u>		<u>Spec. Ref.#</u>
<u>Finishes</u> ¹ :		<u>Features</u> ¹ :	
Flooring:		Fixed Equipment:	
Vinyl composition		N/A	
Resilient tile flooring	096519	<u>Fire Suppression:</u>	Div. 21
Base:		Fire suppression system	
Resilient base	096519	<u>Plumbing:</u>	
Ceiling:		N/A	
Suspended, acoustical	095113	<u>HVAC:</u>	Div. 23
Walls:		Supply/return air system	
Painted concrete masonry units	042000 / 099123	<u>Electrical:</u>	Div. 26
<u>Loose Furnishings:</u>		Duplex receptacles	
L1 Chairs		Single-level switching	
L2 Chair dollies		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

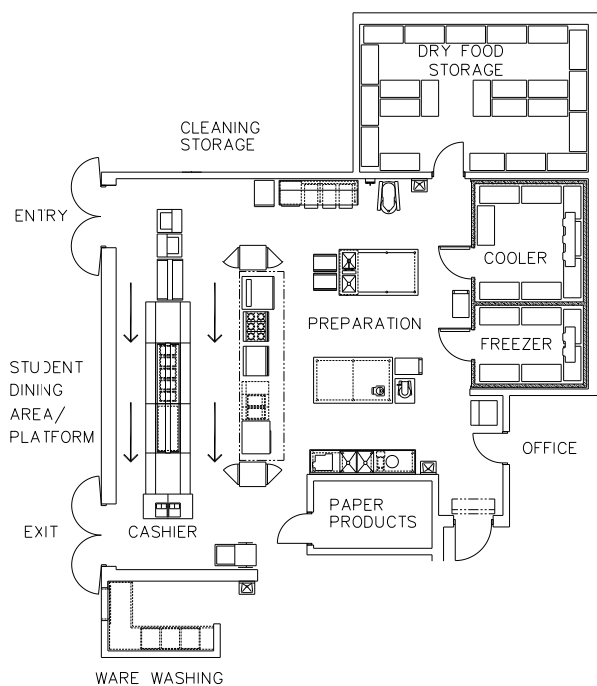
1. Finishes/Features: Refer to Chapter 8 for specification references.

COOKING KITCHEN

This space consists of the following areas:

Food Preparation Area	400
Dry Food Storage	150
Freezer & Cooler	200
Ware Washing	100
Paper Storage	125
Lockers	75
Toilet	50
Food Service Office	100
	1200

A space plate follows for each of these areas.

**CAPACITY:**

- Students
- Staff
- Community

ANCILLARY SPACES:

- Student Dining Area/Multipurpose (E-SD-1)

GOAL:

- To provide an area for the preparation of student and staff meals

PROGRAM ACTIVITIES:

- Prep food (food delivered from milk, grocery, and produce vendors)
- Serve food
- Storage
- Point of sale (in the dining area associated with the serving area)

SPATIAL RELATIONSHIPS:

- Near loading dock to permit semi-tractor trailers access to docking and storage areas (site specific)
- Adjacent and access to Student Dining Area/Multipurpose
- Near dumpsters
- Cafeteria serving arrangement

ENVIRONMENTAL CONSIDERATIONS:

- Food service department, public health
- Durable flooring
- Proper ventilation of space to remove cooking odors
- Cleanable building surfaces

Hand sinks in each area of service, production, dishwashing, serving.

Paper towel dispensers need to be uniform with the rest of the school for ordering purposes.

Soap dispensers need to be uniform with schools for ordering purposes.

NOTES:

1. This is an example of a kitchen. Food service equipment will vary from school to school; confirm requirements with District of Columbia Public Schools Food Service Department.

FOOD PREPARATION AREA**CAPACITY:**

- Staff

SIZE:

- Varies, see table

GOAL:

- To prepare student meals

PROGRAM ACTIVITIES:

- Prepare food

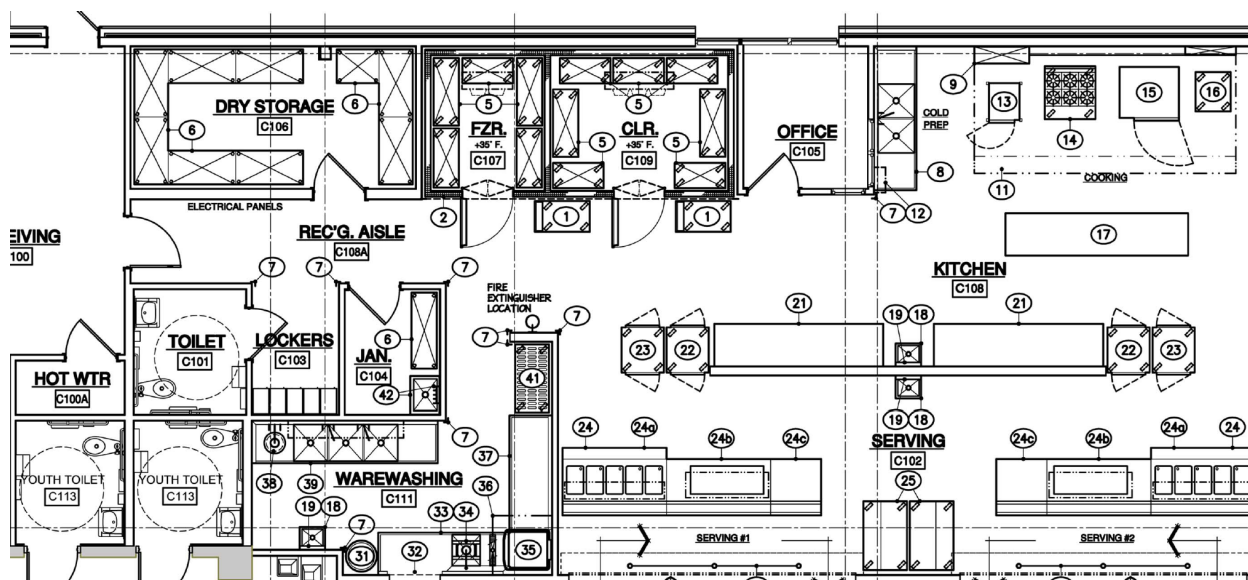
SPATIAL RELATIONSHIPS:

- Adjacent to Student Dining Area/Multipurpose
- Open to Serving Area

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Proper ventilation of space to remove cooking odors
- Cleanable building surfaces
- Electrical/plumbing/mechanical connections for food service equipment
- Towel dispensers, Soap dispensers,

This is an example of a preparation area. Food service equipment will vary from school to school; confirm requirements with District of Columbia Public Schools Food Service Department.

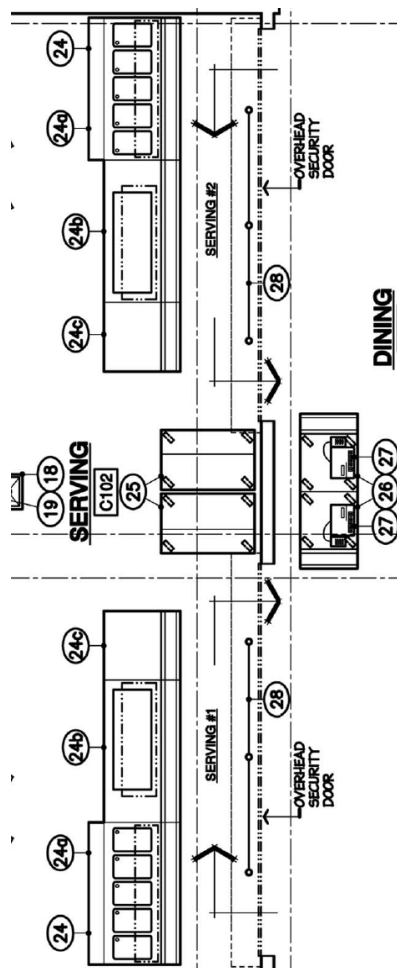


FOOD PREPARATION AREA

	Spec. Ref.#		Spec.
<u>Finishes</u> ¹ :			
Flooring:		<u>Fire Suppression:</u>	Div. 21
Easy clean, non-slip flooring - Single surface poured or rolled flooring		Fire suppression system	
Base:		<u>Plumbing:</u> Div. 22	
Resilient base	096519	Connections to food service equipment	
Ceiling:		Plumbing and gas connections	
Cleanable, suspended, acoustical	095113	Hand washing lavatory	
Walls:		Floor drains	
Epoxy-painted concrete masonry units		Food preparation sink with adjacent trash bin	
Water areas of kitchen, eg. Dish room, pot sink area.			
	042000 / 099123	<u>HVAC:</u> Div. 23	
<u>Features</u> (Specifications from DCPS):		Supply/return air system	
<u>Equipment:</u>		Independent temperature control	
• Pot washing sinks		Kitchen canopy exhaust system	
• Food Preparation Sinks		Air conditioning	
• Hand Sinks with adjacent trash bin			
• Work Tables		<u>Electrical:</u> Div. 26	
• Warming/Holding/Cabinets		Duplex receptacles	
• Refrigeration - Reach-ins		Connections to food service equipment	
• Storage shelving		Single-level switching	
• Mop washing sink		Fluorescent lighting	
• Lockable chemical storage		Illumination level: See Table 7600-16	
• Exhaust Hood Systems, including Fire Suppression		Clock	
• Combi oven		Central sound system	
• Convection steamer		<u>Communications:</u>	
• Range, with oven, convection base		N/A	
• Ware Washing Machine with appropriate accessories (tables, booster heater, disposer, etc.)		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

SERVING AREA**E-SD-3B****GOAL:**

- To provide serving station for those seeking meals or snacks

PROGRAM ACTIVITIES:

- Serve food

SPATIAL RELATIONSHIPS:

- Within Student Dining Area/Multipurpose or Food Preparation Area
- Beginning of serving line should be near entry door of Students Dining Area/Multipurpose
- Adjacent and access to Student Dining Area/Multipurpose
- Open to Food Preparation Area

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Cleanable building services
- Electrical connections for food service equipment

CAPACITY:

- Students
- Staff
- Community

ANCILLARY SPACES:

- Student Dining Area/Multipurpose (E-SD-1)
- Kitchen (E-SD-3)

NOTES:

1. This is an example of a serving area. Food service equipment will vary from school to school; confirm requirements with District of Columbia Public Schools Food Service Department.
2. Loose furnishings and features shown represent one of many possible arrangements.

SERVING AREA**E-SD-3B**

<u>Finishes¹:</u>	Spec. Ref.#	<u>Features¹:</u>	Spec. Ref.#
Flooring:		Fixed Equipment:	
Quarry tile	093000	Drop-In Individually Controlled Heated Electric Food Wells, Full Service Sneeze Guard with overshef may use existing milk box or a new aircscreen refrigerator for beverages. Size of equipment and number of are determined by space available. A Drop-In Self-Contained Refrigerated Cold Pan will also be included for side items. Counter and sneeze guards are lower than normal for better viewing and service to elementary students.	
Base:			
Quarry tile base	093000		
Ceiling:			
Cleanable, suspended, acoustical	095113		
Walls:			
Epoxy-painted concrete masonry units 042000 / 099123			
<u>Loose Furnishings:</u>		<u>HVAC:</u>	Div. 23
N/A		Supply/return air system Independent temperature control	
<u>Miscellaneous:</u> (by owner)		Kitchen canopy exhaust system Air conditioning	
Cash registers at end of at point of service			
<u>Fire Suppression:</u>	Div. 21	<u>Electrical:</u>	Div. 26
Fire suppression system		Single-level switching Fluorescent lighting Illumination level: See Table 7600-16 Central sound system Duplex receptacles along permanent perimeter walls Electrical supply to support equipment specified Clock Circuits for portable generator TVSS protected quad receptacle adjacent to data and video ports	
<u>Plumbing:</u>	Div. 22		
Connections to food service equipment			
Plumbing and gas connections Hand washing lavatory Floor drains			
		<u>Communications:</u>	Div. 27
		T1 1 voice port and phone T2 2 data ports at cash registers or per salad bar	
		<u>Electronic Safety and Security:</u> Life safety devices per code	Div. 28

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

DRY FOOD STORAGE**E-SD-3C****GOAL:**

- To provide an area for food storage

PROGRAM ACTIVITIES:

- Storage

SPATIAL RELATIONSHIPS:

- Near Supply Storage/Receiving
- Adjacent and access to
Food Preparation Area

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Cleanable building surfaces
- Adequate exhaust/ventilation

CAPACITY:

N/A

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Warming Kitchen (E-SD-3)

NOTES:

1. This is an example of a dry food storage area. Food service equipment will vary from school to school; confirm requirements with District of Columbia Public Schools Food Service Department.

DRY FOOD STORAGE

E-SD-3C

		Spec.			Spec.
		Ref.#			Ref.#
<u>Finishes¹:</u>			<u>Features¹:</u>		
<u>Flooring:</u>			<u>Fixed Equipment:</u>		
Quarry tile		093000	F1	Rust-resistant 24" deep shelving and dunnage racks	114000
<u>Base:</u>					
Quarry tile base		093000			
Resilient base		096519	<u>Fire Suppression:</u>		Div. 21
			Fire suppression system		
<u>Ceiling:</u>			<u>Plumbing:</u>		
Cleanable, suspended, acoustical		095113	N/A		
<u>Walls:</u>			<u>HVAC:</u>		Div. 23
Epoxy-painted concrete masonry units		042000 / 099123	Supply/return air system		
<u>Loose Furnishings:</u>			<u>Electrical:</u>		Div. 26
N/A			Duplex receptacles		
			Single-level switching		
			Fluorescent lighting		
			Illumination level: See Table 7600-16		
			Fire alarm devices per code		
			<u>Communications:</u>		
			N/A		
			<u>Electronic Safety and Security:</u>		Div. 28
			Life safety devices per code		
			<u>Miscellaneous:</u>		
			N/A		

NOTES:

1. **Finishes/Features:** Refer to Chapter 8 for specification references.

FREEZER AND COOLER**E-SD-3D****SIZE:**

- Varies, see table

ANCILLARY SPACES:

- Kitchen (E-SD-3)

GOAL:

- To provide space for manufactured freezer and refrigerator units to store food for short periods of time

PROGRAM ACTIVITIES:

- Storage
- Walk-in type

SPATIAL RELATIONSHIPS:

- Adjacent and access to Food Preparation Area
- Near the Supply Storage/Receiving

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Ventilation for refrigeration machinery equipment
- Cleanable building surfaces
- Floor to be flush with adjacent kitchen floor
- Electrical service for refrigeration equipment

Freezer/coolers need to be connected to the generator.

NOTES:

1. This is an example of a freezer and cooler. Food service equipment will vary from school to school; confirm requirements with District of Columbia Public Schools' Food Service Department. generally, deliveries occur once a week.

**FREEZER AND COOLER
E-SD-3D**

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u> Flooring:		<u>Features¹:</u> Fixed Equipment:	
Poured Resin Floor		F1 Rust resistant 24" deep shelving and dunnage racks	114000
Base:		<u>Fire Suppression:</u>	Div. 21
Manufactured insulated panel	114000	Fire suppression system	
Ceiling:		<u>Plumbing:</u>	
Manufactured insulated panel	114000	N/A	
Walls:		<u>HVAC:</u>	Div. 23
<u>Loose Furnishings:</u>		Exhaust air system for compressors	Div. 15
N/A		<u>Electrical:</u>	Div. 26
		Electrical connections to freezer/cooler refrigeration equipment	
		Single-level switching	
		Incandescent lighting	
		Illumination level: See Table 7600-16	
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

Ware Washing**E-SD-3E****GOAL:**

- To clean food service equipment

PROGRAM ACTIVITY:

- Space and equipment to scrape, wash, dry, and store food service equipment

SPATIAL RELATIONSHIPS:

- Pass-through into Student Dining Area/Multipurpose
- Adjacent and access to Food Preparation Area

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Proper ventilation of space to remove steam and condensation
- Cleanable building surfaces

CAPACITY:

N/A

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Kitchen (E-SD-3)

NOTES:

1. This is an example of a ware washing area. Food service equipment will vary from school to school; confirm requirements with District of Columbia Public Schools' Food Service Department.

**WARE WASHING
E-SD-3E**

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u> Flooring: Quarry tile	093000	<u>Features¹:</u> Fixed Equipment: F1 Food service equipment	114000
Base: Quarry tile base Resilient base	093000 096519	<u>Fire Suppression:</u> Fire suppression system	Div. 21
Ceiling: Cleanable, suspended, acoustical	095113	<u>Plumbing:</u> Div. 22 Lavatory Connections to food service equipment Three compartment sink Floor drain	
Walls: Epoxy-painted concrete masonry units	042000 / 099123	<u>HVAC:</u> Div. 23 Supply/return air system Independent temperature control Exhaust hood system	
<u>Loose Furnishings:</u> N/A		<u>Electrical:</u> Div. 26 Duplex receptacles Connections to food service equipment Single-level switching Fluorescent lighting Illumination level: See Table 7600-16 Central sound system	
		<u>Communications:</u> N/A	
		<u>Electronic Safety and Security:</u> Life safety devices per code	Div. 28
		<u>Miscellaneous:</u> N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

PAPER PRODUCTS STORAGE**E-SD-3F****GOAL:**

- To provide storage for paper products used in preparing and serving meals
- To provide storage for food program equipment (BIC, FFVP, and Early Childhood)

PROGRAM ACTIVITIES:

- Lockable space

SPATIAL RELATIONSHIPS:

- Adjacent and access to Food Preparation Area

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Adequate exhaust/ventilation
- Cleanable building surfaces

CAPACITY:
N/A

SIZE:
• Varies, see table

ANCILLARY SPACES:
• Kitchen (E-SD-3)

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

PAPER PRODUCTS STORAGE

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
<u>Flooring:</u>		<u>Fixed Equipment:</u>	
Resilient tile flooring	096519	F1 Rust-resistant shelving	114000
<u>Base:</u>		<u>Fire Suppression:</u>	Div. 21
Quarry tile base	093000	Fire suppression system	
Resilient base	096519		
<u>Ceiling:</u>		<u>Plumbing:</u>	
Cleanable, suspended, acoustical	095113	N/A	
<u>Walls:</u>		<u>HVAC:</u> Div. 23	
Epoxy-painted concrete masonry units	042000 / 099123	Exhaust air system	
<u>Loose Furnishings:</u>		Supply/return air system	
N/A		Independent temperature control	
		<u>Electrical:</u> Div. 26	
		Duplex receptacles	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

CLEANING STORAGE

CAPACITY:

- Food service staff

SIZE:

- 50 SF

ANCILLARY SPACES:

- Kitchen (E-SD-3)

GOAL:

- To store chemicals used in cleaning and maintaining kitchen

PROGRAM ACTIVITIES:

- Storing chemicals and equipment

SPATIAL RELATIONSHIPS:

- Adjacent and access to Kitchen

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Cleanable building surfaces
- Sensors for spilled chemicals
- Adequate exhaust/ventilation

NOTES:

1. This is an example of a cleaning storage area. Food service equipment will vary from school to school; confirm requirements with District of Columbia Public Schools Food Service Department.
2. Loose furnishings and features shown represent one of many possible arrangements.

LOCKERS**E-SD-5****GOAL:**

- To provide space for the food service staff to store their personal belongings and to change their clothing

PROGRAM ACTIVITIES:

- Space for the storage of towels, aprons, etc.
- Space to allow food staff personnel to take breaks

SPATIAL RELATIONSHIPS:

- Adjacent and access to Kitchen
- Adjacent and access to Toilet

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
Wall minimum: STC 40
Ceiling minimum: CAC 35

CAPACITY:

- Food service personnel

SIZE:

- 75 SF

ANCILLARY SPACES:

- Kitchen (E-SD-3)
- Toilet (E-SD-6)

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

LOCKERS
E-SD- 5

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Resilient tile flooring	096519	F1 Lockers	105113
		12" wide x 12" deep x 72" high	
Base:		F2 Tack board (4 LF)	101100
Quarry tile base	093000		
Resilient base	096519		
Ceiling:		<u>Fire Suppression:</u>	Div. 21
Suspended, acoustical	095113	Fire suppression system	
Walls:		<u>Plumbing:</u>	
Painted concrete masonry units		N/A	
	042000 / 099123		
<u>Loose Furnishings:</u>		<u>HVAC:</u> Div. 23	
L1 Chairs		Exhaust air system	
L2 30" x 60" table		Supplemental heat as required	
		<u>Electrical:</u> Div. 26	
		Duplex receptacles	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

TOILET**E-SD-6****PROGRAM ACTIVITIES:**

- Personal and health needs for food service staff
- Changing clothing

SPATIAL RELATIONSHIPS:

- Adjacent and access to lockers
- Near Kitchen

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
 - Wall minimum: STC 40
 - Ceiling minimum: CAC 35
- Moisture- and stain-resistant finishes
- Adequate exhaust/ventilation

CAPACITY:

- Food service personnel

SIZE:

- 50 SF

ANCILLARY SPACES:

- Lockers (E-SD-5)

NOTES:

2. Loose furnishings and features shown represent one of many possible arrangements.

**TOILET
E-SD-6**

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Ceramic tile	093000	F1 Towel dispenser	102800
		F2 24" x 60" mirror	102800
Base:		F3 Toilet tissue holder	102800
Quarry tile base	093000	F4 36" and 42" grab bars	102800
Resilient base	096519	F5 Soap dispenser	102800
		F6 Sanitary dispenser	102800
Ceiling:		F7 Sanitary disposal (with cover)	102800
Suspended, acoustical	095113	F8 Coat hook	102800
Walls:		<u>Fire Suppression:</u>	Div. 21
Painted concrete masonry units	042000 / 099123	Fire suppression system	
<u>Loose Furnishings:</u>		<u>Plumbing:</u> Div. 22	
N/A		Wall-mounted water closet	
		Wall-mounted lavatory	
		Plumbing connections	
		Floor drain	
		<u>HVAC:</u> Div. 23	
		Exhaust air system	
		Supplemental heat as required	
		<u>Electrical:</u> Div. 26	
		Duplex receptacles	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Central sound system	
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

FOOD SERVICE OFFICE**E-SD-7****GOAL:**

- To provide an area to keep records and conduct business

PROGRAM ACTIVITIES:

- Scheduling
- Staff evaluations/discipline/meetings

SPATIAL RELATIONSHIPS:

- Adjacent and access to kitchen

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
Wall minimum: STC 40
Ceiling minimum: CAC 35
- Electrical outlets for equipment
- View of the kitchen

CAPACITY:

- Food service manager
- Food service staff

SIZE:

- 100 SF

ANCILLARY SPACES:

- Kitchen (E-SD-3)

NOTES:

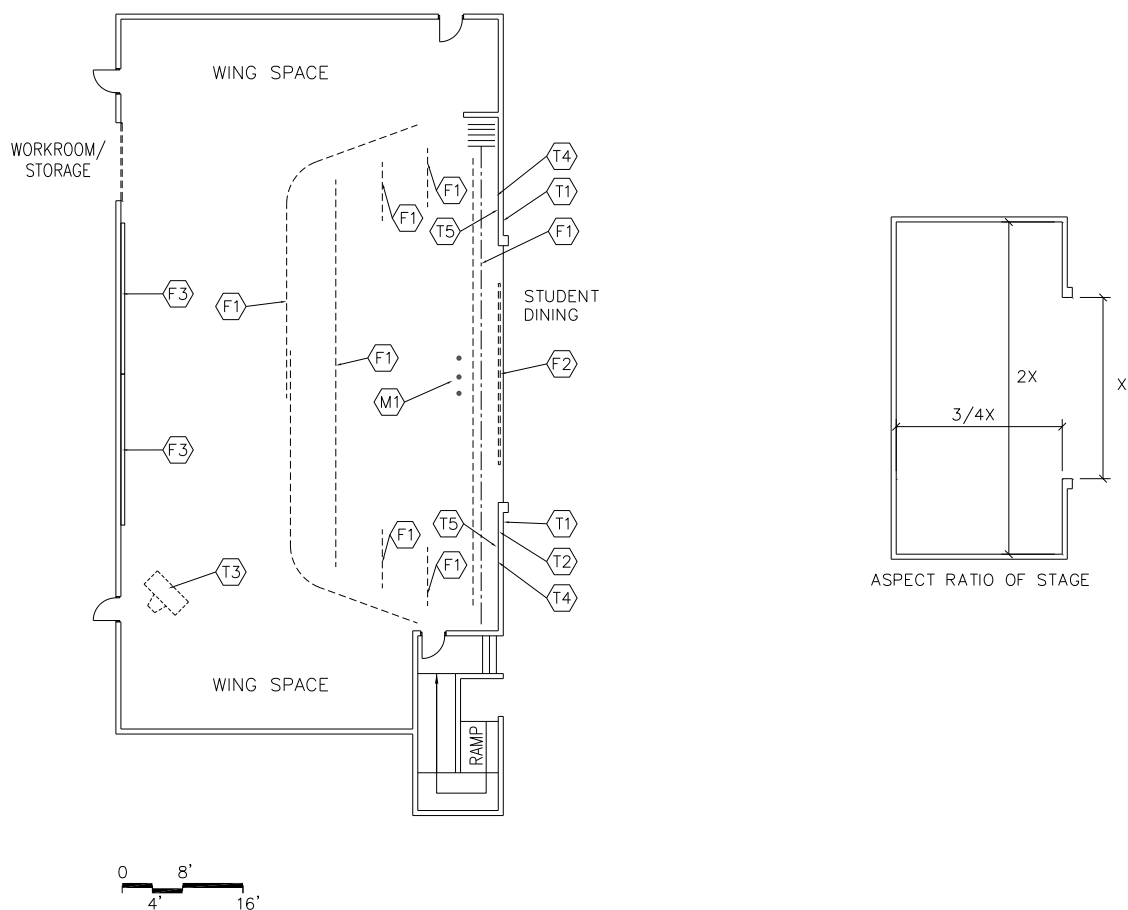
1. Loose furnishings and features shown represent one of many possible arrangements.

FOOD SERVICE OFFICE
E-SD-7

Finishes ¹ :		Features ¹ :	
	Spec. Ref.#		Spec. Ref.#
Flooring:		Fixed Equipment:	
Resilient tile flooring	096519	F1 Tack board (4 LF)	101100
Base:		Fire Suppression:	
Quarry tile base	093000	Fire suppression system	Div. 21
Resilient base	096519		
Ceiling:		Plumbing:	
Suspended, acoustical	095113	N/A	
Walls:		HVAC:	
Painted concrete masonry units	042000 / 099123	Div. 23	
		Supply/return air system	
		Independent temperature control	
Loose Furnishings:		Electrical:	
L1 Desk		Div. 26	
L2 Four-drawer file cabinet		Duplex receptacles	
L3 Computer workstation		TVSS protected quad receptacle	
L4 Ergonomic task chair		adjacent to data and video port	
L5 Adjustable height bookshelves (12 LF)		Single-level switching	
L6 Printer table		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		Communications:	Div. 27
		T1 Voice port and phone	
		T2 Data port near workstation	
		T3 Data port for printer	
		Electronic Safety and Security:	Div. 28
		Life safety devices per code	
		Miscellaneous:	
		M1 Computer	
		M2 Printer	
		Bulletin board	

NOTES:

1. **Finishes/Features:** Refer to Chapter 8 for specification references.

STAGE**CAPACITY:**

- Students
- Teachers
- Parents/volunteers
- Members of the community

GOAL:

- To provide a space for student performances

PROGRAM ACTIVITIES:

- Theatrical/musical productions
- Conferences, student assemblies, and award programs
- Dance instruction

SPATIAL RELATIONSHIPS:

- Near music classrooms

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control
Wall minimum: STC 56
Roof minimum: STC 40
- Provide sufficient wings space for productions
- Specialty track lighting for Stage

NOTES:

STAGE

	Spec. Ref.#	Features:	Spec. Ref.#
<u>Finishes</u> ¹ :		<u>Fixed Equipment:</u>	
Flooring:		F1 Theater and stage equipment	116143
Wood flooring ²	096466	F2 Motorized projection screen	115213
		F3 Mirror	088000
Base:		<u>Fire Suppression:</u>	Div. 21
Ventilated resilient base	096466	Fire suppression system	
Ceiling:		<u>Plumbing:</u>	
Painted exposed structure	099123	N/A	
Walls:		<u>HVAC:</u>	Div. 23
Painted concrete masonry		Supply/return air system	
units	042000 / 099123	Independent temperature	
		control	
<u>Loose Furnishings (Not Shown):</u>		<u>Electrical:</u>	Div. 26
Mobile folding risers		Duplex receptacles	
		12" o.c. on back and wing walls	
		3 duplex outlets in apron at front	
		of stage	
		TVSS protected quad receptacle	
		adjacent to each data port	
		Single-level switching	
		General purpose lighting	
		Stage dimming system	
		House lighting	
		Illumination levels: See table 7600-16	
		Clock	
		Auditorium sound system	
		Provide outlet in apron at front of stage	
		<u>Communications:</u>	Div. 27
		T1 2 data ports on stage	
		T2 Voice port and telephone	
		T3	
		T4 Microphone port	
		T5 Jacks for sound system	
		T6	
		and bracket	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Provide hardwood on forestage and extend into stage at width of proscenium by 10'-20' deep.

PHYSICAL EDUCATION (Master Plan only)

Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Multi-purpose PE space	1	3400	3400	
PE Office	1	100	100	
Storage	2	Various	400	
Public Restrooms	2	50	100	
Total			4000	

Comments: The overall total for the Physical Education and Community Use area may be + or – 15%.

MULT-PURPOSE PE**E-PE-1****CAPACITY:**

- 20-24 students per class
- Teachers
- Parents and community members
- Assemblies to accommodate at least 1/2 of the student body

SIZE:

- Varies, see table

Finishes:**Flooring:**

Wood strip flooring for athletic applications or Resilient athletic flooring

Base:

Vented resilient base

Ceiling:

Painted exposed structure on acoustical deck

Walls:

Painted concrete masonry units
Acoustical wall treatment
And/or sound absorbing concrete masonry units
Padding on lower levels

PROGRAM ACTIVITIES:

- Athletic skills and leader games
- Adaptive physical education
- Student assemblies and programs
- Community use

SPATIAL RELATIONSHIPS:

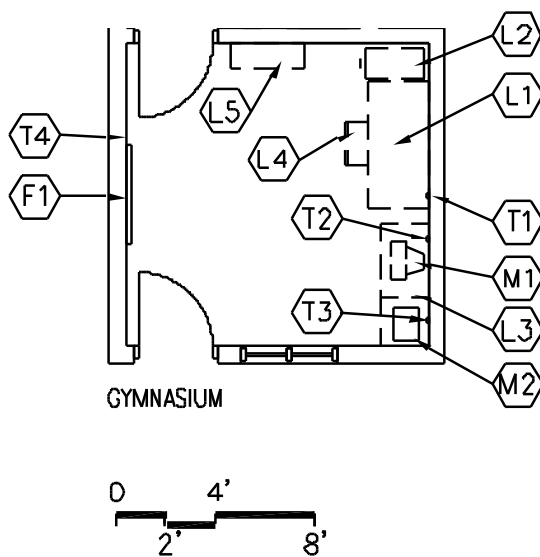
- Near public restrooms
- Access to outdoor physical education play areas
- Near visitor parking
- Located with easy access to rest of school, but must be able to close off area for security during evening activities
- Adjacent and access to P.E. Office
- Adjacent and access to P.E. Storage

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control:
Wall minimum: STC 50
- Adequate sound control/acoustics
- Clear height of 20' from floor to nearest obstruction
- Electrical outlets for equipment
- Drinking fountain and open cubbies in adjacent lobby area
- Structure, lighting, and ducts designed not to trap P.E. balls; wire guards on light fixtures
- Ceiling heights should be proportional to room volume

FIXED EQUIPMENT

Basketball backstops, adjustable height (ceiling hung or portable)
Climbing wall
White board (8 ft)
Separate sound system

P.E. OFFICE**E-PE-2****CAPACITY:**

- 1-2 teachers
- Student teachers

SIZE:

- 100 SF

ANCILLARY SPACES:

- Gymnasium (E-PE-1)

SPATIAL RELATIONSHIP:

- Adjacent and access to Gymnasium
- Near restrooms

PROGRAM ACTIVITIES:

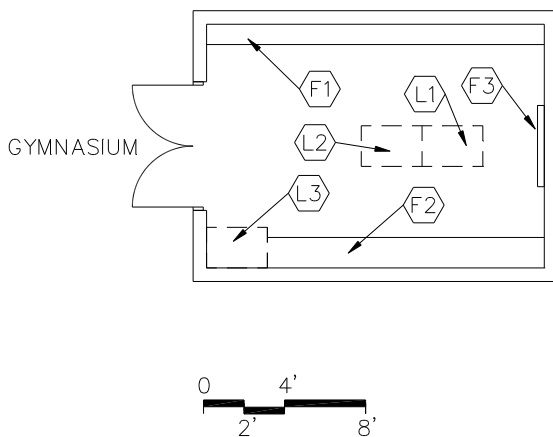
- Ordering
- Scheduling
- Planning
- Maintaining records
- Meetings

FIXED EQUIPMENT

- F1 Tack board (4 LF)

LOOSE FURNISHINGS

- L3 Amin. Workstation and chair
 L4 Four-drawer file cabinet
 L5 Adjustable height bookshelves (12 LF)

P.E. STORAGE**E-PE-4****CAPACITY:**

- 1-2 teachers
- Student teachers
- After school programs
- Community

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Gymnasium (E-PE-1)

PROGRAM ACTIVITIES:

- Storage

ENVIRONMENTAL CONSIDERATIONS:

- Leave space below shelving on one wall for portable bins

FIXED EQUIPMENT

- F1 Storage shelving: 12" deep
 F2 Storage shelving: 18" deep
 F3 Pegboard (4 LF)

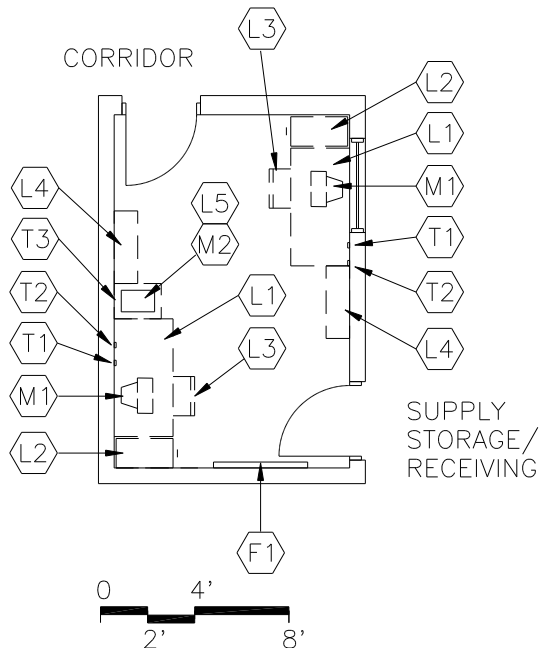
LOOSE FURNISHINGS

- L1 Tumbling mats
 L2 Ball bins
 L3 Play equipment

ENGINEERING AND CUSTODIAN

Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Supply Storage / Receiving	1	450	450	
Custodial/Engineer Office	1	150	150	
Total			600	

Comments: The overall total for the Engineering and Maintenance area may be + or – 5%.

CUSTODIAL OFFICE**M-EC-3****GOAL:**

- To provide an area for the maintenance manager, staff, and building engineer to provide supervision of the physical plan

PROGRAM ACTIVITIES:

- Conferences with staff and other visitors
- Telephone calls
- Paperwork

SPATIAL RELATIONSHIPS:

- Adjacent and access to Supply Storage/Receiving
- Access to corridor

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Electrical outlets for equipment
- Visual control of supply storage/receiving

CAPACITY:

- Maintenance and custodial staff

SIZE:

- 150 SF

ANCILLARY SPACES:

- Supply Storage/Receiving (M-EC-2)

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

**CUSTODIAL OFFICE
M-EC-3**

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u> Flooring: Resilient tile flooring	096519	<u>Features¹:</u> Fixed Equipment: F1 Tack board (4 LF)	101100
Base: Resilient base	096519	<u>Fire Suppression:</u> Fire suppression system	Div. 21
Ceiling: Suspended, acoustical	095113		
Walls: Painted concrete masonry units	042000 / 099123	<u>Plumbing:</u> N/A	
		<u>HVAC:</u> Supply/return air system Independent temperature control	Div. 23
<u>Loose Furnishings:</u> L1 desk			
L2 four-drawer file cabinet			
L3 2 ergonomic task chairs		<u>Electrical:</u>	Div. 26
L4 Adjustable height bookshelves (12 LF)		Duplex receptacles	
L5 Printer table		TVSS protected quad receptacle adjacent to data port	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		<u>Communications:</u>	Div. 27
		T1 2 data ports	
		T2 2 voice ports and phones	
		T3 Data port for printer	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

NOTES:

Finishes/Features: Refer to Chapter 8 for specification references.

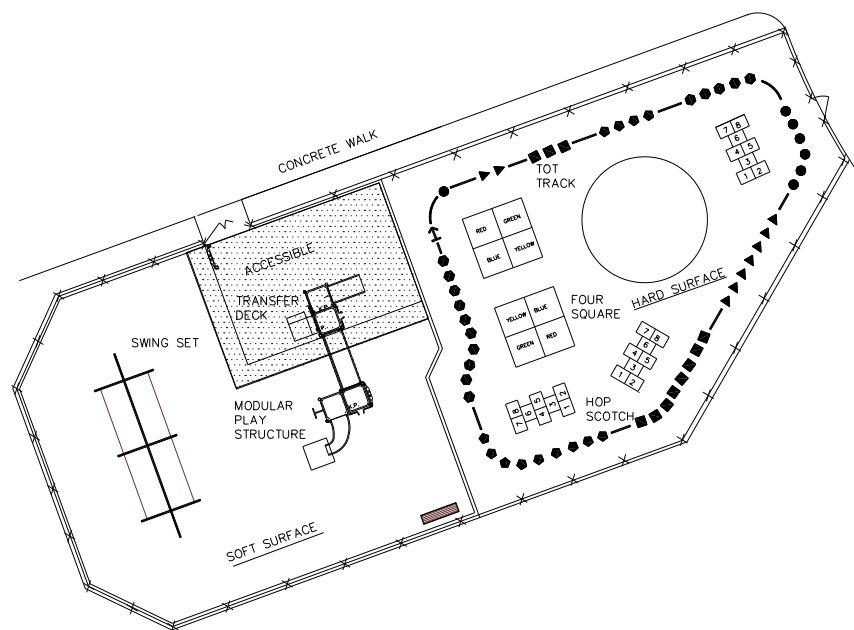
PLAYGROUNDS

AREA REQUIRED

1. Provide playground areas to allow for difference in age, ability, and varying interests.
2. Follow applicable safety guidelines for different age groups.

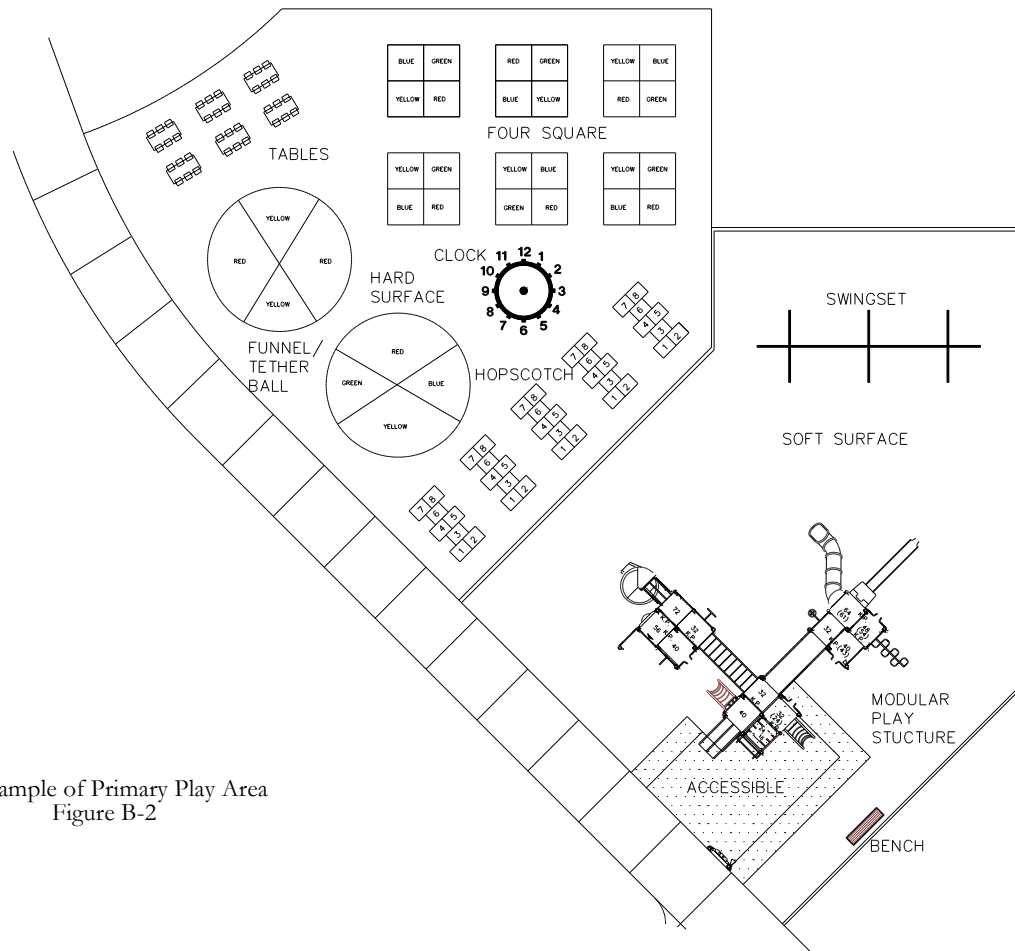
Pre-kindergarten to grade 1 play area. See Figure B-1.

- a. Plan for play activities that include rocking, swinging, balancing, climbing, and sliding.
- b. Include tables and chairs for age group
- c. Locate equipment with moving parts, such as swings, at the perimeter of the play area. Use fence or planting beds to prevent children from inadvertently stepping into path of moving equipment.



Example of Pre-kindergarten to Grade 1 Play Area
Figure B-1

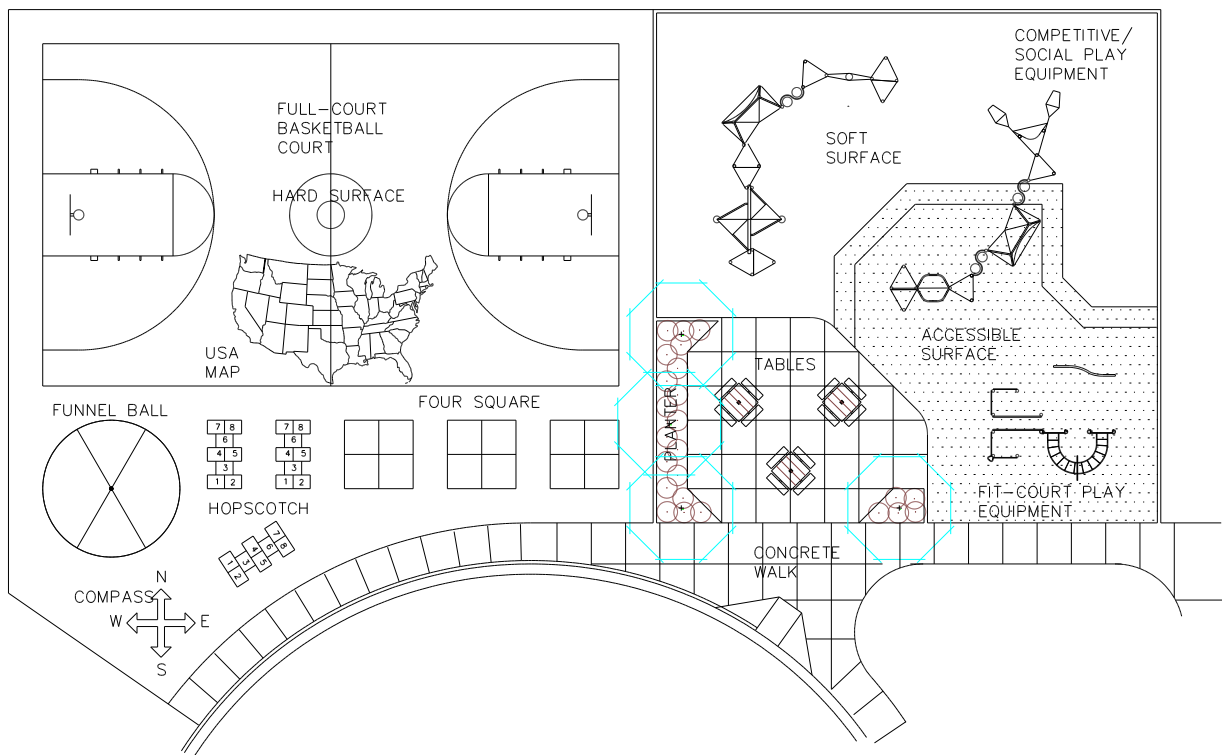
- a. Design for grades 1 through 3.
- b. Plan for play activities that include rocking, swinging, balancing, climbing, and sliding.
- c. Plan for upper-body strengthening devices such as a parallel bar and overhead ladder play equipment.



Example of Primary Play Area
Figure B-2

Intermediate Play Area (See Figure B-3)

- Design for grades 4 and 5.
- Intermediate play area may be combined with primary play area and a 'tot track' designed around both play areas
- Include an outdoor science classroom that may include a garden.
- Plan for 1 full basketball court (50 feet by 84 feet) or 2 half courts (50 feet by 42 feet).

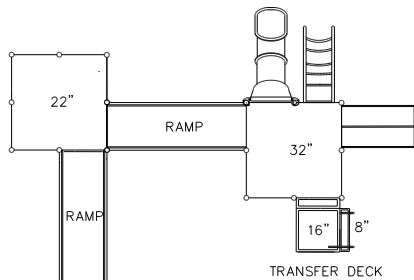


Example of Intermediate Play Area
Figure B-3

SOFT SURFACE PLAY AREA

1. Soft surfaces are provided under play equipment and must be handicapped accessible.
2. Surfacing is to be a poured polyurethane surface. Avoid using black surfacing.

ACCESSIBILITY STANDARDS



1. Plan for ramps and/or transfer points on composite play structures for access to play components on elevated decks. Meet the Americans with Disabilities Act guidelines for percentage of components that are to be accessible by ramp and by transfer deck. See Figure E-1.
2. Provide table and benches along accessible route.
3. Provide upper-body strengthening devices as appropriate for age group and amount of supervision.

Typical Ramp and Transfer Deck
Figure E-1

See Design Guidelines for Site requirements for parking, circulation, etc.